

SEARCH REQUEST FORM

Requester's Full Name: Cecilia Jaisle Examiner #: _____ Date: 8-26-08
 Art Unit: 1624 Phone Number: 2-9931 Serial Number: 10597005
 Location (Bldg/Room#): REM5428 (Mailbox #): 5218 Results Format Preferred (circle): PAPER DIS

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: See Bib Data Sheet M9
 Inventors (please provide full names): _____

Earliest Priority Date: _____

Search Topic:

Please provide a detailed description of the search topic and describe as specifically as possible the subject matter to be searched. Include selected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

See claims attached. Please do structure search and inventor name(s) search. Display results to show identification of source, and RN #, compound name & structure of identified compounds. Search compounds of Formula I where HET is 1,2,3,4-tetraol-5-one. See compounds 1.11 to 1.13, 1.27 to 1.29, 1.43 to 1.45 and 1.58 in spec.

Please call with any questions

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Type of Search

Vendors and cost where applicable

Searcher: _____

NA Sequence (#) _____

STN _____ Dialog _____

Searcher Phone #: _____

AA Sequence (#) _____

Quora/Orbi _____ Lexis/Nexis _____

Searcher Location: _____

Structure (#) _____

Westlaw _____ WWW/Internet _____

Date Searcher Picked Up: _____

Bibliographic _____

In-house sequence systems _____

Date Completed: _____

Utilization _____

Commercial _____ Oligomer _____ Source/Leads _____
 Interference _____ SPDI _____ Enzyme/Transf _____

Searcher Prep & Review Time: _____

Fulltext _____

Other (specify) _____

Online Time: _____

Other _____

INVENTOR SEARCH

=> fil capl; d que nos l16
 FILE 'CAPLUS' ENTERED AT 12:05:25 ON 29 AUG 2008
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FILE COVERS 1907 - 29 Aug 2008 VOL 149 ISS 10
 FILE LAST UPDATED: 28 Aug 2008 (20080828/ED)

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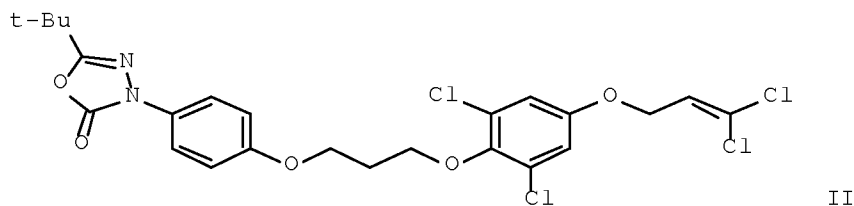
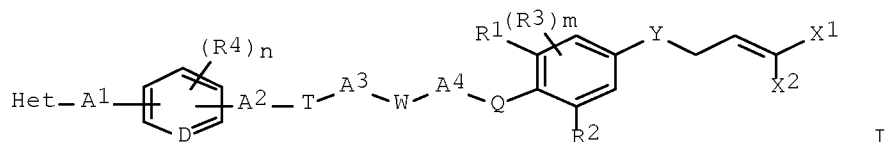
'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

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 L5 STR
 L9 167 SEA FILE=REGISTRY SSS FUL L5
 L11 8 SEA FILE=CAPLUS ABB=ON L9
 L12 3986 SEA FILE=CAPLUS ABB=ON HALL R?/AU
 L13 73 SEA FILE=CAPLUS ABB=ON TRAH S?/AU
 L14 27 SEA FILE=CAPLUS ABB=ON ZAMBACH W?/AU
 L15 24 SEA FILE=CAPLUS ABB=ON TULEJA J?/AU
 L16 6 SEA FILE=CAPLUS ABB=ON (L1 OR L12 OR L13 OR L14 OR L15) AND
 L11

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L16 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:673280 CAPLUS Full-text
 DOCUMENT NUMBER: 143:172877
 TITLE: Preparation of various heterocyclic allyl derivatives
 as pesticides
 INVENTOR(S): Hall, Roger Graham; Trah, Stephan;
 Zambach, Werner; Tuleja, Juraj
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 34 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|--|--------------|
| WO 2005068445 | A2 | 20050728 | WO 2005-EP94 | 20050107 |
| WO 2005068445 | A3 | 20050922 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| EP 1706392 | A2 | 20061004 | EP 2005-706845 | 20050107 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS | | | | |
| JP 2007519639 | T | 20070719 | JP 2006-548230 | 20050107 |
| US 20070299064 | A1 | 20071227 | US 2007-597005 | 20070807 <-- |
| PRIORITY APPLN. INFO.: | | | CH 2004-23 | A 20040108 |
| | | | WO 2005-EP94 | W 20050107 |
| OTHER SOURCE(S): | | | CASREACT 143:172877; MARPAT 143:172877 | |
| GI | | | | |



AB Title compds. I [Het = non-aromatic heterocycllyl; A1-3 = alkylene, cycloalkyl, etc.; A4 = alkylene bridge; D = CH, N; W = O, amino, SOO-2; etc.; T = bond, O, NH, etc.; Q = O, amino, SOO-2; Y = O, amino, SOO-2; X1-2 = F, Cl, Br; R1-2 = H, halo, CN, NO2, alkyl, haloalkyl, etc.; R3 = halo, CN, NO2, etc.; R4 = halo, CN, NO2, etc.; n = 0-3 when D = N or is 0-4 when D = CH; m = 0-2] are prepared For instance, II is prepared in several steps from 4-methoxyphenylhydrazine•HCl, pivaloyl chloride and 4-(3-bromopropan-1-yloxy)-3,5-dichloro-1-(3,3-dichloroprop-2- enyloxy)benzene. II shows good activity against *Heliothis virescens*.

IT 1044037-41-3 1044037-44-6 1044037-45-7
 1044037-46-8 1044037-49-1 1044037-52-6
 1044037-53-7 1044037-54-8 1044037-57-1
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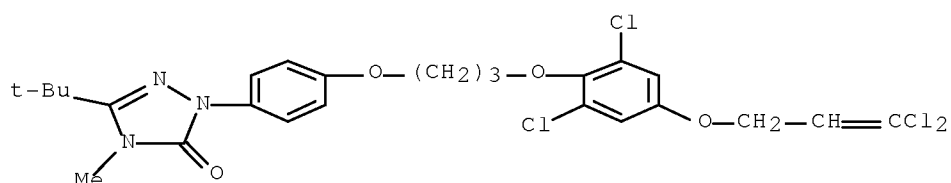
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 1044037-89-9 1044037-92-4 1044037-93-5
 1044037-94-6 1044037-98-0 1044038-00-7
 1044038-01-8 1044038-02-9 1044038-07-4
 1044038-08-5 1044038-09-6 1044038-11-0
 1044038-13-2 1044038-14-3

RL: PRPH (Prophetic)

(Preparation of various heterocyclic allyl derivatives as pesticides)

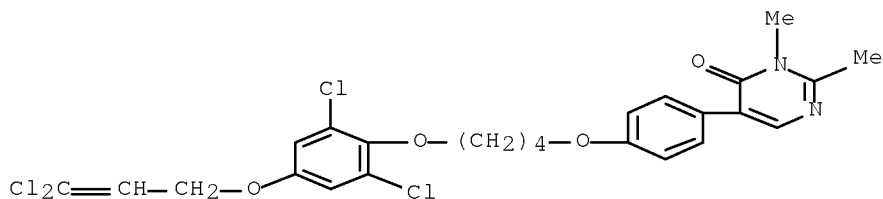
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CN 3H-1,2,4-Triazol-3-one, 2-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-5-(1,1-dimethylethyl)-2,4-dihydro-4-methyl- (CA INDEX NAME)



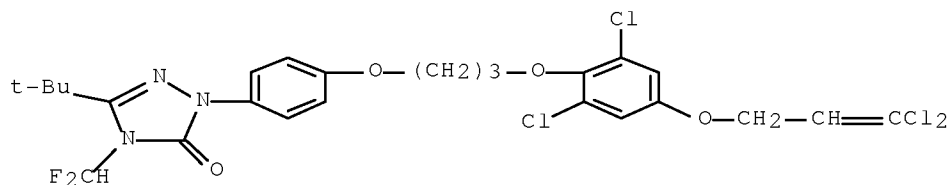
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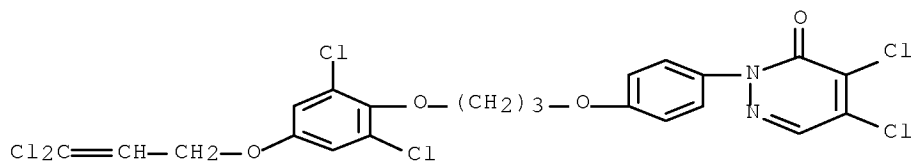
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CN 3H-1,2,4-Triazol-3-one, 2-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-4-(difluoromethyl)-5-(1,1-dimethylethyl)-2,4-dihydro- (CA INDEX NAME)



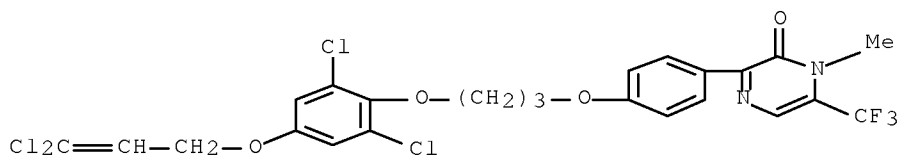
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CN 3(2H)-Pyridazinone, 4,5-dichloro-2-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]- (CA INDEX NAME)



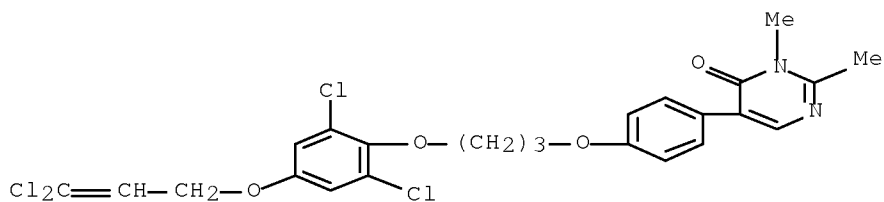
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CN 2(1H)-Pyrazinone, 3-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



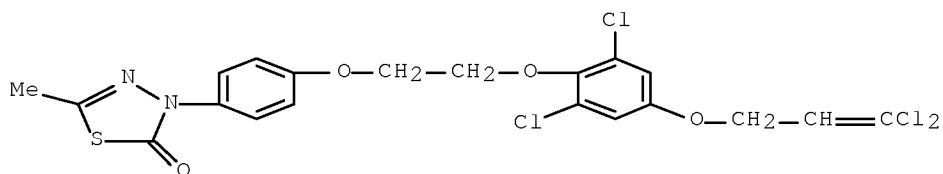
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CN 4(3H)-Pyrimidinone, 5-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-2,3-dimethyl- (CA INDEX NAME)



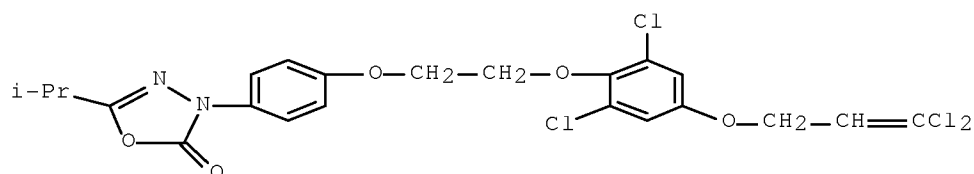
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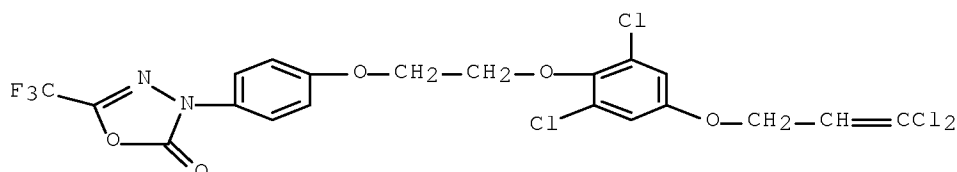
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CN 1,3,4-Oxadiazol-2(3H)-one, 3-[4-[2-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]ethoxy]phenyl]-5-(1-methylethyl)- (CA INDEX NAME)



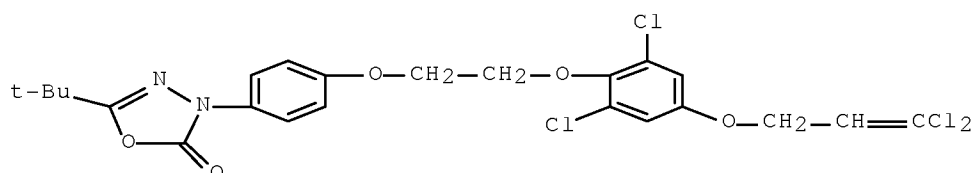
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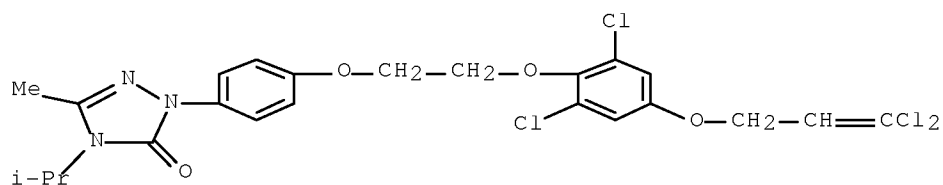
RN 1044037-60-6 CAPLUS

CN 1,3,4-Oxadiazol-2(3H)-one, 3-[4-[2-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]ethoxy]phenyl]-5-(1,1-dimethylethyl)- (CA INDEX NAME)



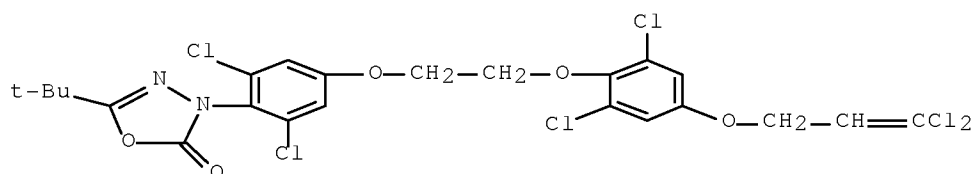
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CN 3H-1,2,4-Triazol-3-one, 2-[4-[2-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]ethoxy]phenyl]-2,4-dihydro-5-methyl-4-(1-methylethyl)- (CA INDEX NAME)



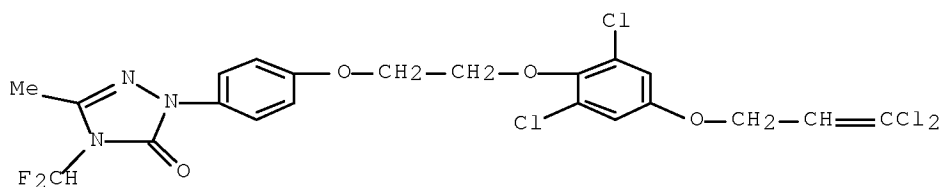
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CN 1,3,4-Oxadiazol-2(3H)-one, 3-[2,6-dichloro-4-[2-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]ethoxy]phenyl]-5-(1,1-dimethylethyl)- (CA INDEX NAME)



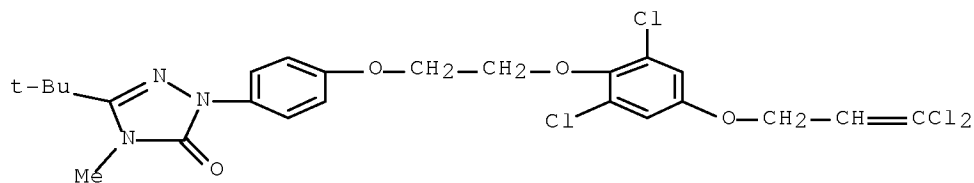
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CN 3H-1,2,4-Triazol-3-one, 2-[4-[2-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]ethoxy]phenyl]-4-(difluoromethyl)-2,4-dihydro-5-methyl- (CA INDEX NAME)



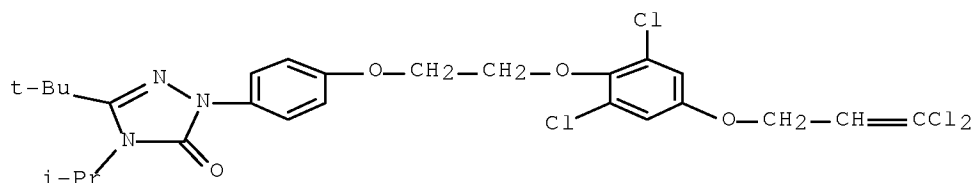
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CN 3H-1,2,4-Triazol-3-one, 2-[4-[2-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]ethoxy]phenyl]-5-(1,1-dimethylethyl)-2,4-dihydro-4-methyl- (CA INDEX NAME)



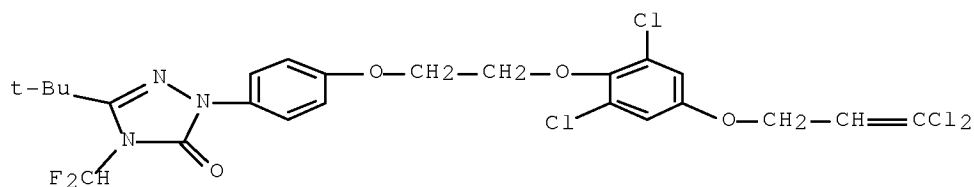
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CN 3H-1,2,4-Triazol-3-one, 2-[4-[2-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]ethoxy]phenyl]-5-(1,1-dimethylethyl)-2,4-dihydro-4-(1-methylethyl)- (CA INDEX NAME)



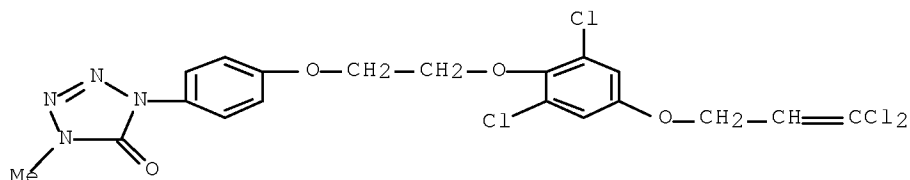
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CN 3H-1,2,4-Triazol-3-one, 2-[4-[2-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]ethoxy]phenyl]-4-(difluoromethyl)-5-(1,1-dimethylethyl)-2,4-dihydro- (CA INDEX NAME)



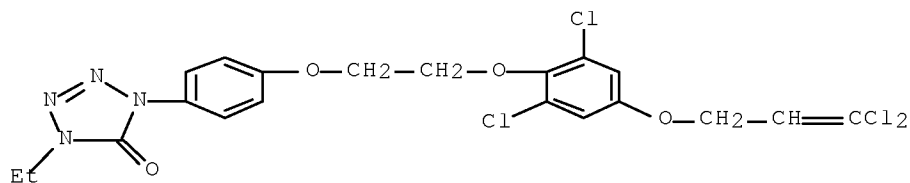
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CN 5H-Tetrazol-5-one, 1-[4-[2-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]ethoxy]phenyl]-1,4-dihydro-4-methyl- (CA INDEX NAME)



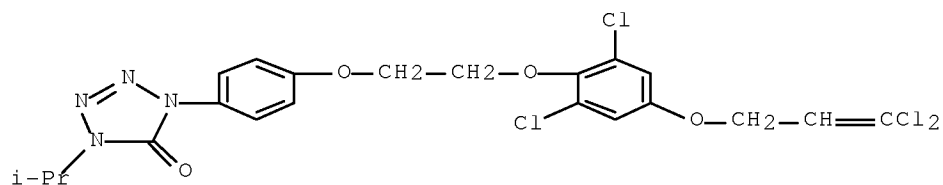
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CN 5H-Tetrazol-5-one, 1-[4-[2-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]ethoxy]phenyl]-4-ethyl-1,4-dihydro- (CA INDEX NAME)



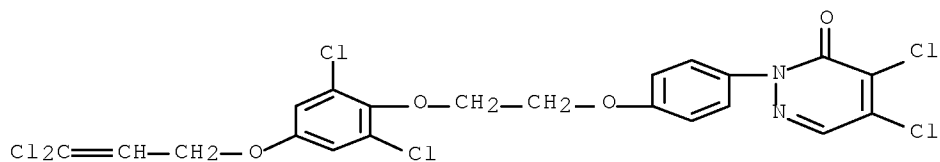
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CN 5H-Tetrazol-5-one, 1-[4-[2-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]ethoxy]phenyl]-1,4-dihydro-4-(1-methylethyl)- (CA INDEX NAME)



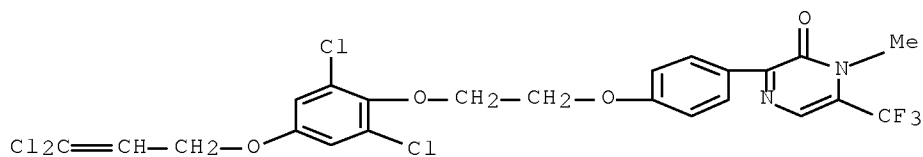
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CN 3(2H)-Pyridazinone, 4,5-dichloro-2-[4-[2-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]ethoxy]phenyl]- (CA INDEX NAME)



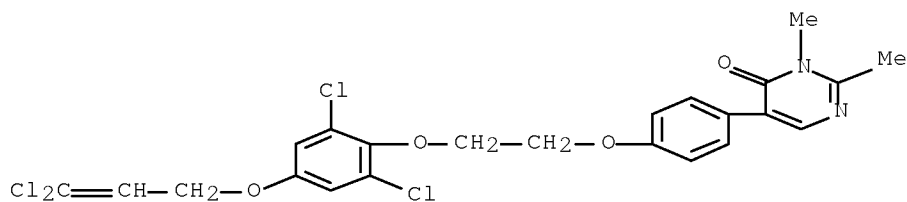
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CN 2(1H)-Pyrazinone, 3-[4-[2-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]ethoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



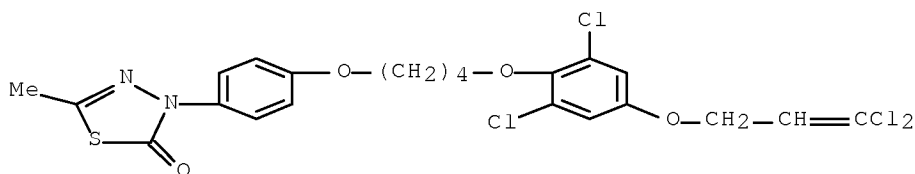
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CN 4(3H)-Pyrimidinone, 5-[4-[2-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]ethoxy]phenyl]-2,3-dimethyl- (CA INDEX NAME)



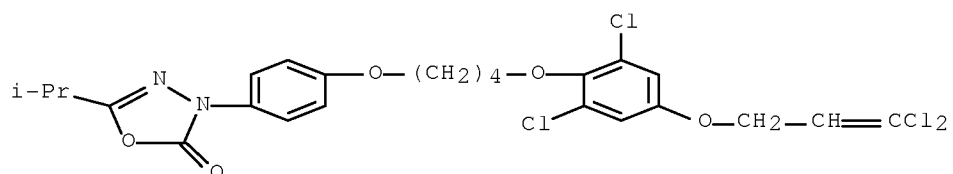
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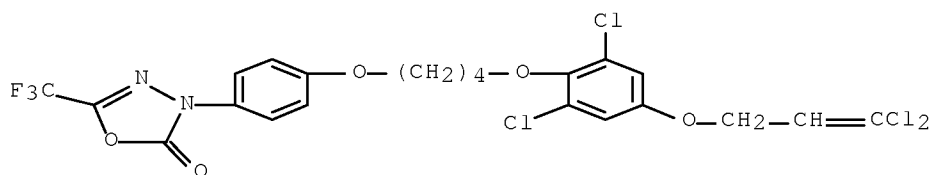


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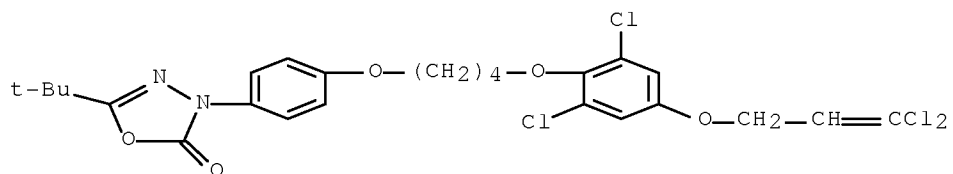
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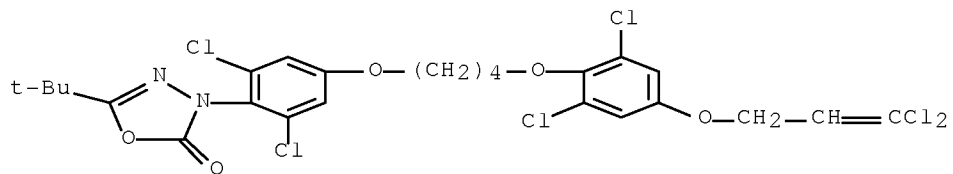
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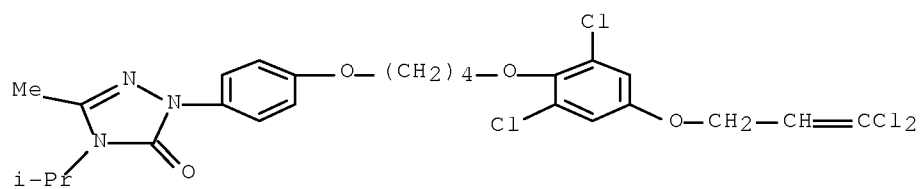
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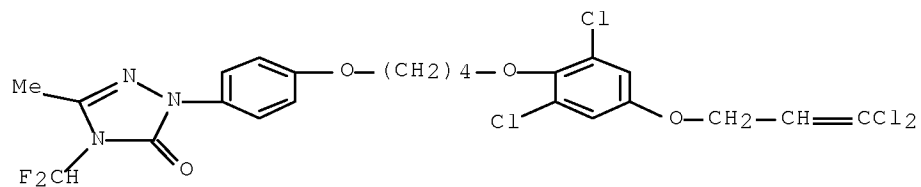
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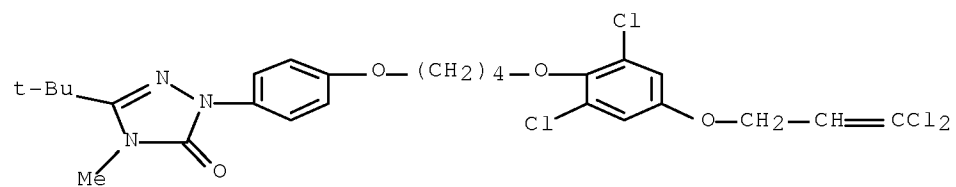
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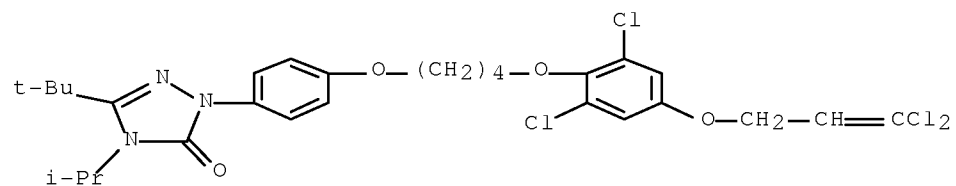
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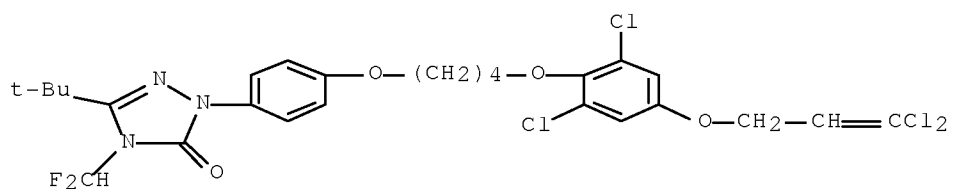
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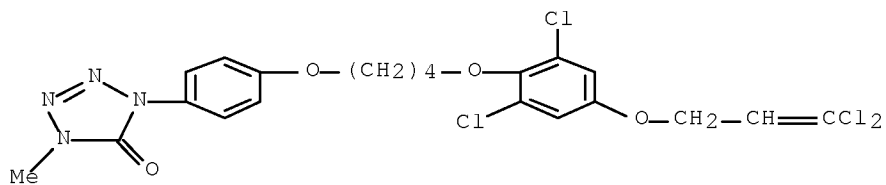
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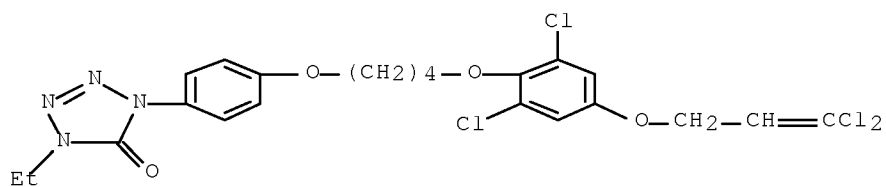
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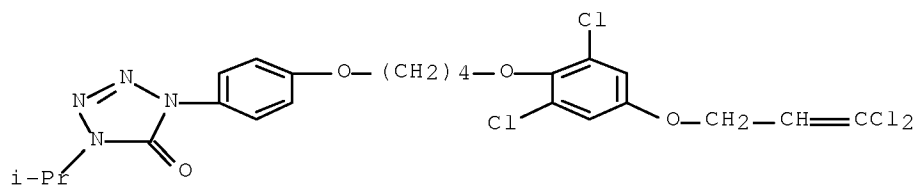
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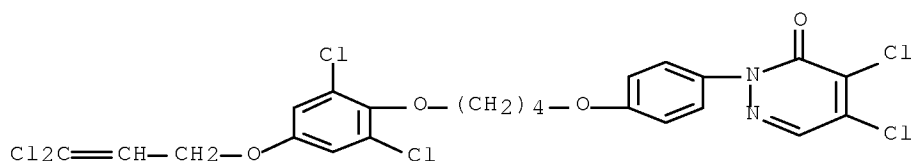
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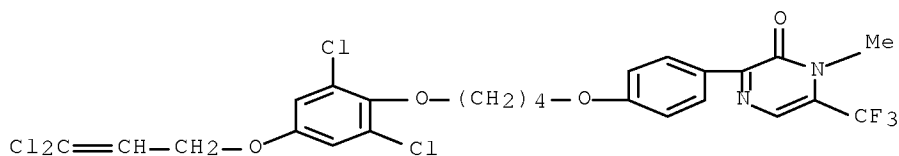
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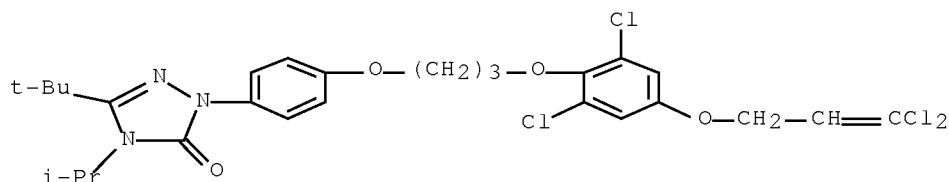
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CN INDEX NAME NOT YET ASSIGNED



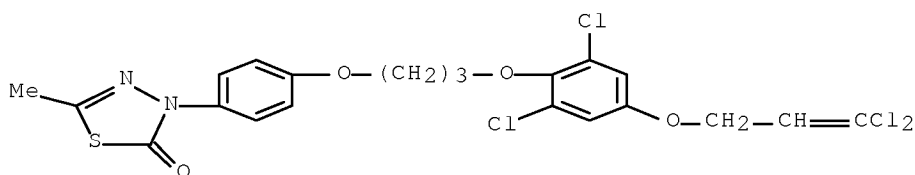
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CN INDEX NAME NOT YET ASSIGNED



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CN 3H-1,2,4-Triazol-3-one, 2-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-5-(1,1-dimethylethyl)-2,4-dihydro-4-(1-methylethyl)- (CA INDEX NAME)

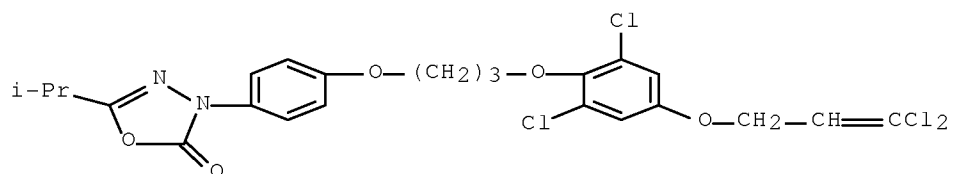


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860629-21-6P 860629-22-7P 860629-23-8P
860629-24-9P 860629-25-0P 860629-26-1P
860629-27-2P 860629-28-3P 860629-29-4P
860629-30-7P 860629-31-8P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of various heterocyclic allyl derivs. as pesticides)
RN 860629-18-1 CAPLUS
CN 1,3,4-Thiadiazol-2(3H)-one, 3-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-5-methyl- (CA INDEX NAME)



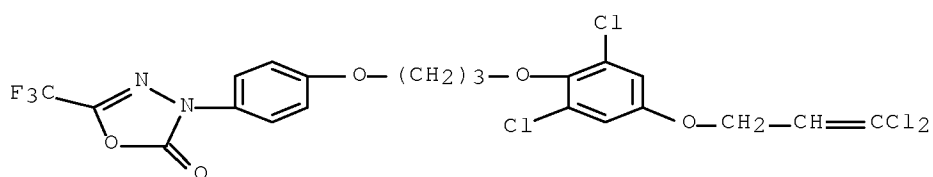
RN 860629-19-2 CAPLUS

CN 1,3,4-Oxadiazol-2(3H)-one, 3-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-5-(1-methylethyl)- (CA INDEX NAME)



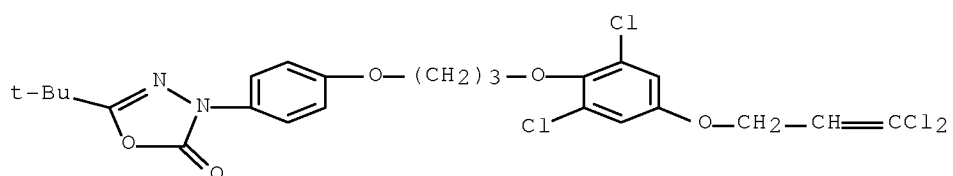
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CN 1,3,4-Oxadiazol-2(3H)-one, 3-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-5-(trifluoromethyl)- (CA INDEX NAME)



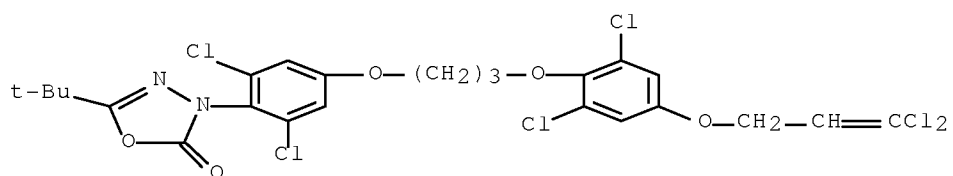
RN 860629-21-6 CAPLUS

CN 1,3,4-Oxadiazol-2(3H)-one, 3-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-5-(1,1-dimethylethyl)- (CA INDEX NAME)



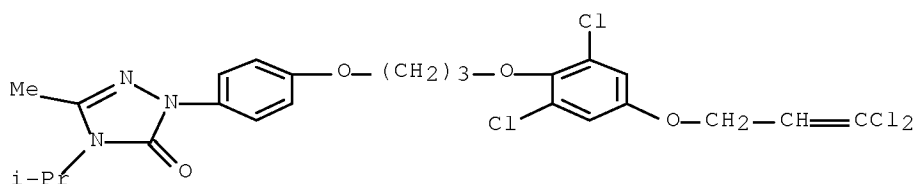
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CN 1,3,4-Oxadiazol-2(3H)-one, 3-[2,6-dichloro-4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-5-(1,1-dimethylethyl)- (CA INDEX NAME)



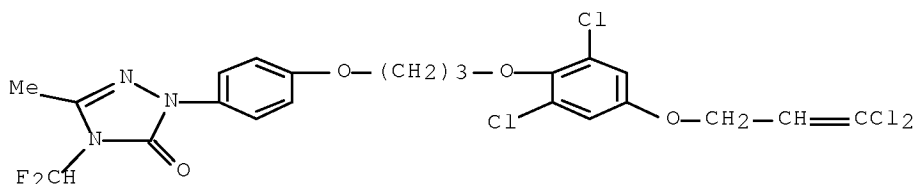
RN 860629-23-8 CAPLUS

CN 3H-1,2,4-Triazol-3-one, 2-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-2,4-dihydro-5-methyl-4-(1-methylethyl)-(CA INDEX NAME)



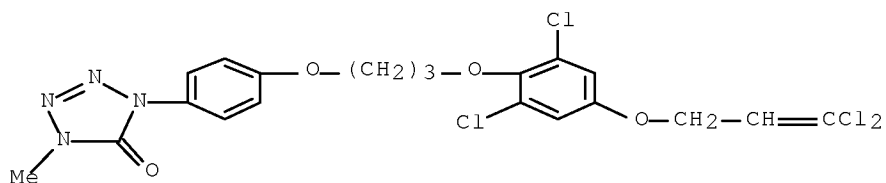
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CN 3H-1,2,4-Triazol-3-one, 2-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-4-(difluoromethyl)-2,4-dihydro-5-methyl-(CA INDEX NAME)



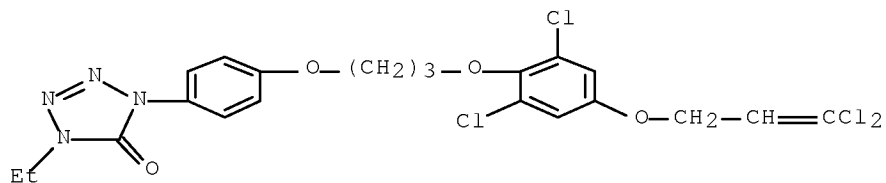
RN 860629-25-0 CAPLUS

CN 5H-Tetrazol-5-one, 1-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-1,4-dihydro-4-methyl-(CA INDEX NAME)



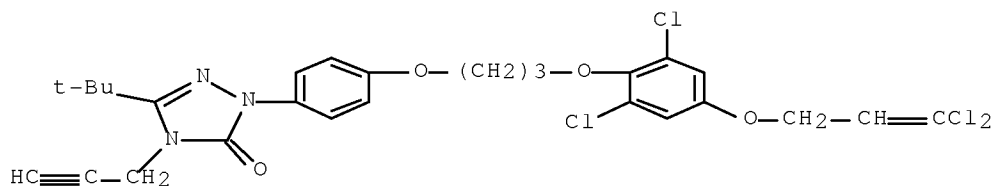
RN 860629-26-1 CAPLUS

CN 5H-Tetrazol-5-one, 1-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-4-ethyl-1,4-dihydro-(CA INDEX NAME)



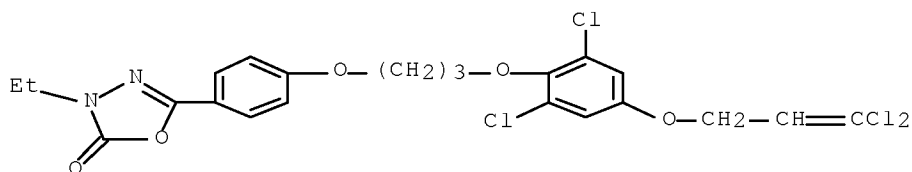
RN 860629-27-2 CAPLUS

CN 3H-1,2,4-Triazol-3-one, 2-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-5-(1,1-dimethylethyl)-2,4-dihydro-4-(2-propyn-1-yl)- (CA INDEX NAME)



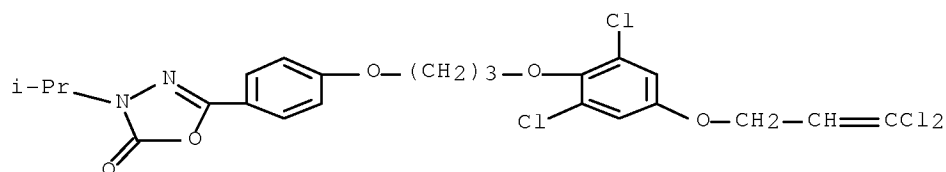
RN 860629-28-3 CAPLUS

CN 1,3,4-Oxadiazol-2(3H)-one, 5-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-3-ethyl- (CA INDEX NAME)



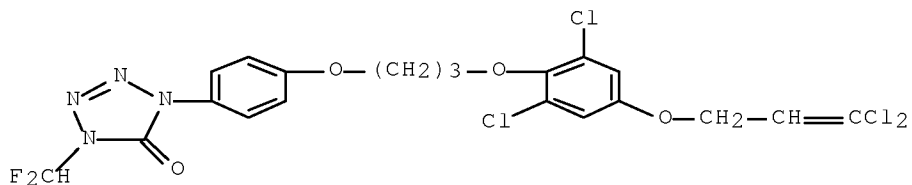
RN 860629-29-4 CAPLUS

CN 1,3,4-Oxadiazol-2(3H)-one, 5-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-3-(1-methylethyl)- (CA INDEX NAME)



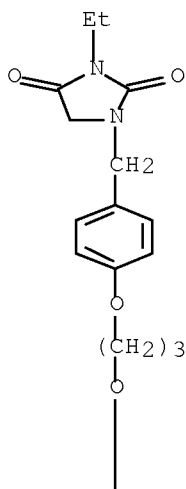
RN 860629-30-7 CAPLUS

CN 5H-Tetrazol-5-one, 1-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-4-(difluoromethyl)-1,4-dihydro- (CA INDEX NAME)

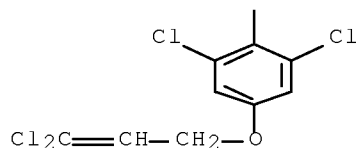


RN 860629-31-8 CAPLUS
 CN 2,4-Imidazolidinedione, 1-[[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]methyl]-3-ethyl- (CA INDEX NAME)

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L16 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:182604 CAPLUS Full-text
 DOCUMENT NUMBER: 142:280219
 TITLE: Preparation of (3,3-dihaloallyloxy)phenol derivatives as pesticides
 INVENTOR(S): Zambach, Werner; Trah, Stephan; Hall, Roger Graham; Lutz, William
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 69 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|----------|
| WO 2005019147 | A2 | 20050303 | WO 2004-EP9500 | 20040825 |
| WO 2005019147 | A3 | 20050407 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
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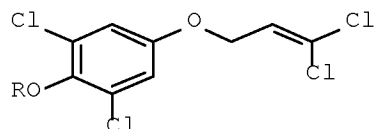
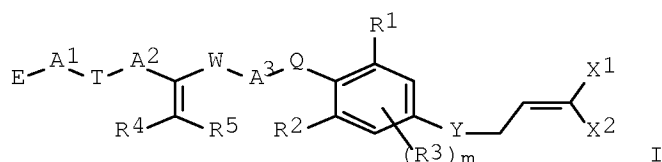
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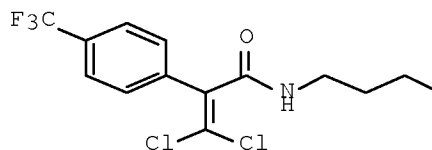
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OTHER SOURCE(S): MARPAT 142:280219

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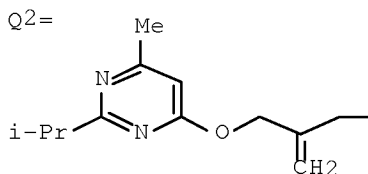


Q1=



II

Q2=



AB There are described compds. of formula (I) [wherein X1, X2 = independently F, Cl or Br; A1, A2 = a bond, (un)substituted C1-6 alkylene bridge; A3 = (un)substituted C1-6 alkylene bridge; R1, R2 halogen, OH, SH, cyano, NO2, C1-6 alkyl, C1-6 haloalkyl, C1-6 alkyl-carbonyl, C2-6 alkenyl, C2-6 haloalkenyl, C2-6 alkynyl, etc.; R3 = H, halogen, OH, SH, cyano, NO2, C1-6 alkyl, C1-6 haloalkyl, etc.; R4, R5 = H, halogen, cyano, NO2, C1-6 alkyl, C1-3 haloalkyl, etc. ; m = 1 or 2; Q, Y = O, S, SO, SO2, (un)substituted NH; W, T = a bond, O, S, SO, SO2, C(O)O, OC(O), each (un)substituted NH, CH:N-O, CONH, or NHCO; E = (un)substituted aryl or heterocyclyl] where applicable, their possible E/Z isomers, E/Z isomeric mixts. and/or tautomers, in each case in free form or in salt form. Pesticidal compns. in which the active ingredient has been selected from those compds. I and agrochem. acceptable salts thereof are also described. Thus, 74 mg 3,3-dichloro-2-(4-trifluoromethylphenyl)acrylic acid, 67 mg of bis(2-oxo-3-oxazolidinyl)phosphinic acid chloride, 53 mg Et3N, and 100 mg [3-[2,6-dichloro-4-(3,3-dichloroallyloxy)phenoxy]propyl]amine were

stirred in 2 mL CH₂Cl₂ for 48 h at 40° to give, after workup and silica gel chromatog., 3,3-dichloro-N-[3-[2,6-dichloro-4-(3,3-dichloroallyloxy)phenoxy]propyl]-2-(4-trifluoromethylphenyl)acrylamide (II; R = Q1). II (R = Q1) and II (R = Q2) at 400 ppm with aqueous emulsion spray killed 80% *Heliothis virescens* caterpillars on young soybean plants.

IT 847343-56-0P 847343-57-1P 847343-58-2P
847343-59-3P 847343-60-6P 847343-73-1P
847343-74-2P 847343-75-3P 847343-76-4P
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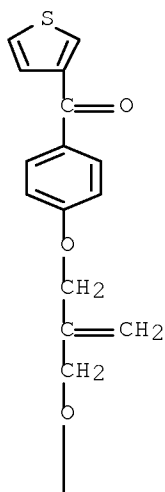
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of (dihaloallyloxy)phenol derivs. as pesticides)

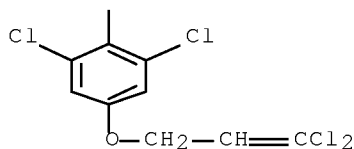
RN 847343-56-0 CAPLUS

CN Methanone, [4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]phenyl]-3-thienyl- (CA INDEX NAME)

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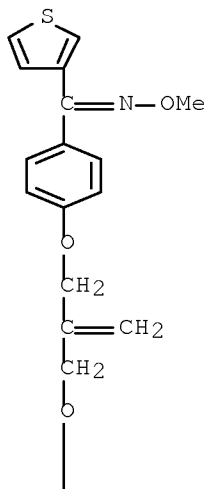


RN 847343-57-1 CAPLUS

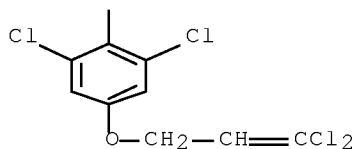
CN Methanone, [4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-

yl)oxy]phenoxy)methyl]-2-propen-1-yl]oxy]phenyl]-3-thienyl-, O-methyloxime
(CA INDEX NAME)

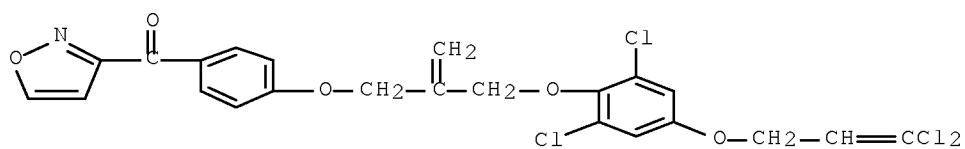
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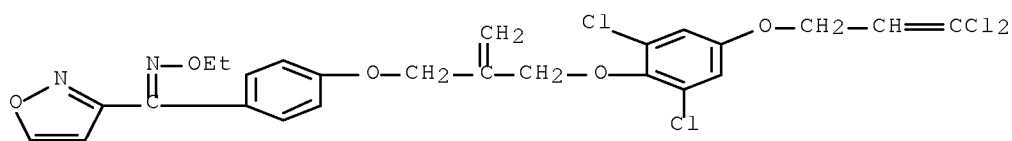
PAGE 2-A



RN 847343-58-2 CAPLUS
CN Methanone, [4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy)methyl]-2-propen-1-yl]oxy]phenyl]-3-isoxazolyl- (CA INDEX NAME)

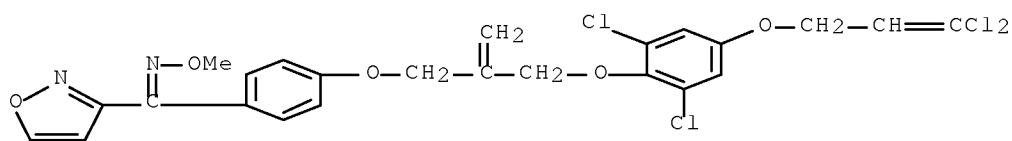


RN 847343-59-3 CAPLUS
CN Methanone, [4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy)methyl]-2-propen-1-yl]oxy]phenyl]-3-isoxazolyl-, O-ethyloxime (CA INDEX NAME)



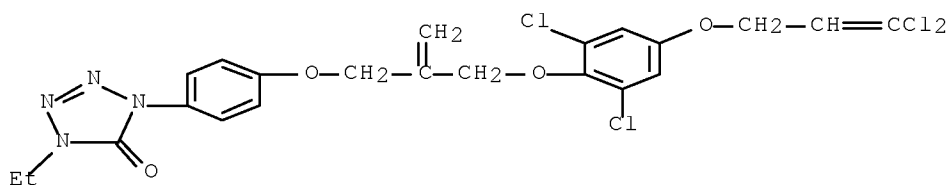
RN 847343-60-6 CAPLUS

CN Methanone, [4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]phenyl]-3-isoxazolyl-, O-methyloxime (CA INDEX NAME)



RN 847343-73-1 CAPLUS

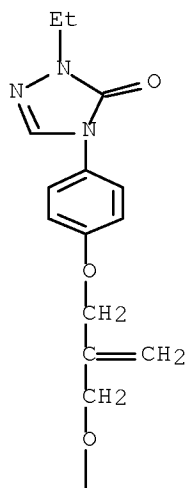
CN 5H-Tetrazol-5-one, 1-[4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]phenyl]-4-ethyl-1,4-dihydro- (CA INDEX NAME)



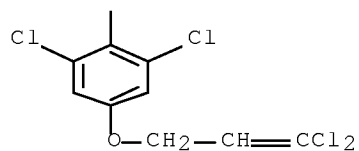
RN 847343-74-2 CAPLUS

CN 3H-1,2,4-Triazol-3-one, 4-[4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]phenyl]-2-ethyl-2,4-dihydro- (CA INDEX NAME)

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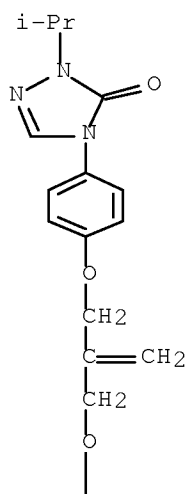


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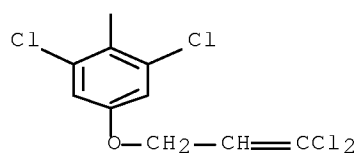


RN 847343-75-3 CAPLUS
 CN 3H-1,2,4-Triazol-3-one, 4-[4-[[2-[[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]phenyl]-2,4-dihydro-2-(1-methylethyl)- (CA INDEX NAME)

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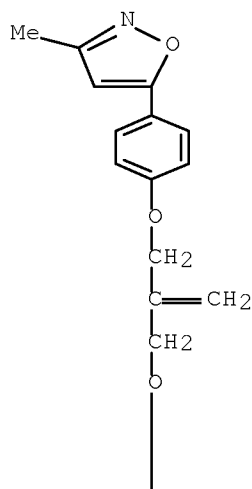
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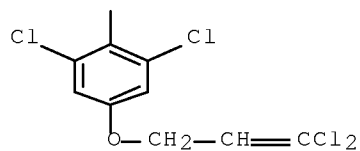
RN 847343-76-4 CAPLUS

CN Isoxazole, 5-[4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]phenyl]-3-methyl- (CA INDEX NAME)

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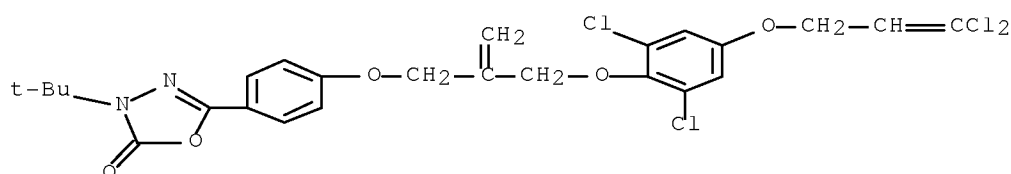


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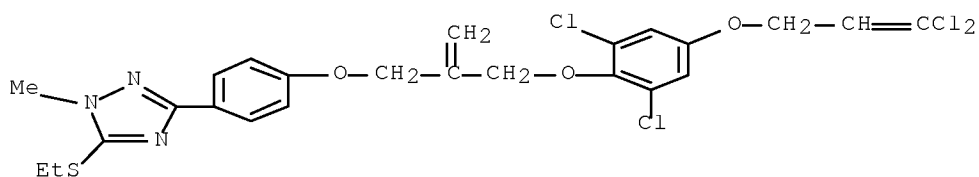
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CN 1,3,4-Oxadiazol-2(3H)-one, 5-[4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]phenyl]-3-(1,1-dimethylethyl)- (CA INDEX NAME)



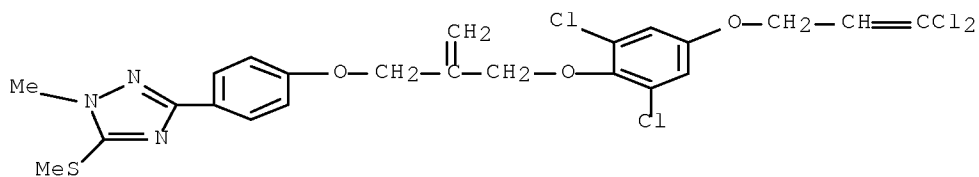
RN 847343-80-0 CAPLUS

CN 1H-1,2,4-Triazole, 3-[4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]phenyl]-5-(ethylthio)-1-methyl- (CA INDEX NAME)



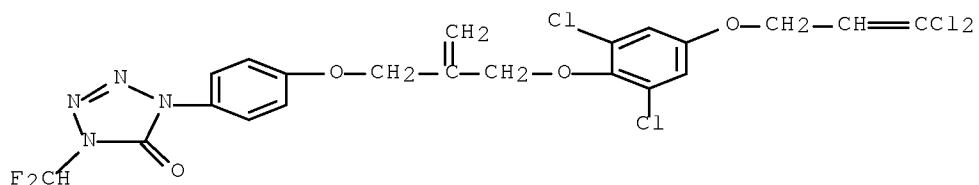
RN 847343-81-1 CAPLUS

CN 1H-1,2,4-Triazole, 3-[4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]phenyl]-1-methyl-5-(methylthio)- (CA INDEX NAME)



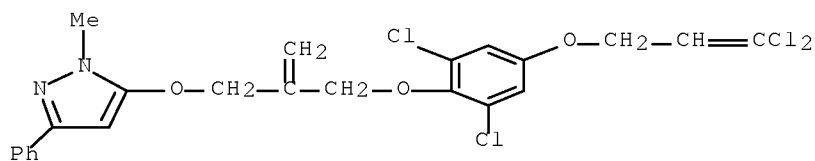
RN 847343-82-2 CAPLUS

CN 5H-Tetrazol-5-one, 1-[4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]phenyl]-4-(difluoromethyl)-1,4-dihydro- (CA INDEX NAME)



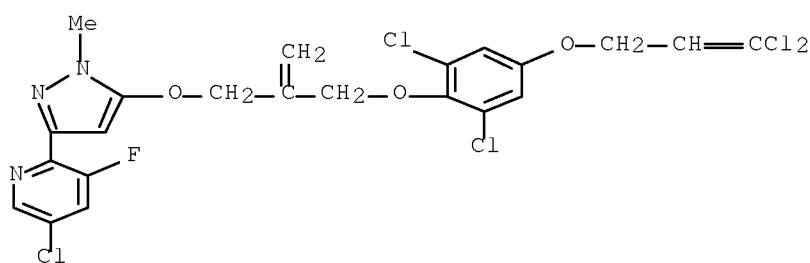
RN 847343-86-6 CAPLUS

CN 1H-Pyrazole, 5-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]-1-methyl-3-phenyl- (CA INDEX NAME)



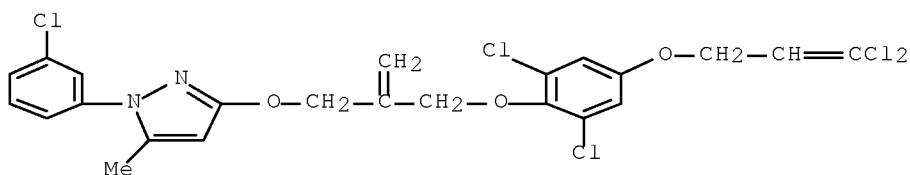
RN 847343-88-8 CAPLUS

CN Pyridine, 5-chloro-2-[5-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]-1-methyl-1H-pyrazol-3-yl]-3-fluoro- (CA INDEX NAME)



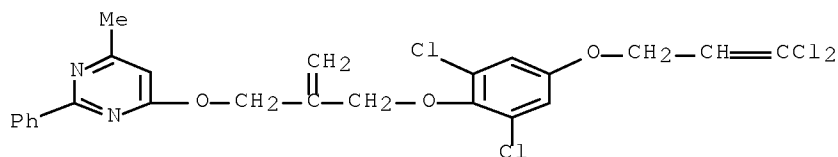
RN 847343-91-3 CAPLUS

CN 1H-Pyrazole, 1-(3-chlorophenyl)-3-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]-5-methyl- (CA INDEX NAME)



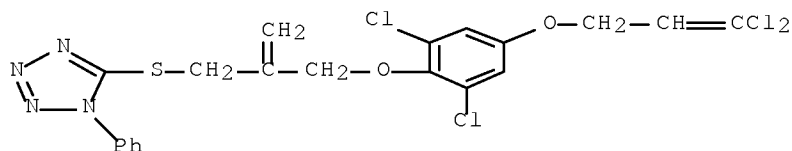
RN 847343-92-4 CAPLUS

CN Pyrimidine, 4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]-6-methyl-2-phenyl- (CA INDEX NAME)



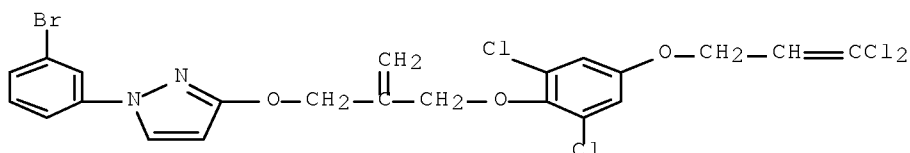
RN 847344-10-9 CAPLUS

CN 1H-Tetrazole, 5-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy)methyl]-2-propen-1-yl]thio]-1-phenyl- (CA INDEX NAME)



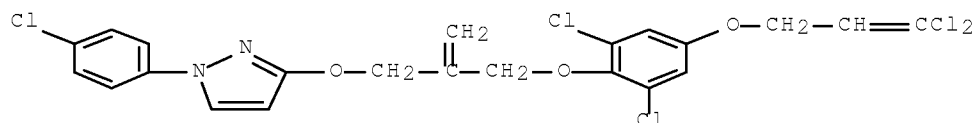
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CN 1H-Pyrazole, 1-(3-bromophenyl)-3-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy)methyl]-2-propen-1-yl]oxy]- (CA INDEX NAME)



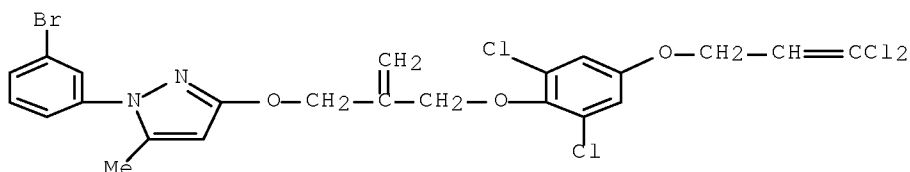
RN 847344-14-3 CAPLUS

CN 1H-Pyrazole, 1-(4-chlorophenyl)-3-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy)methyl]-2-propen-1-yl]oxy]- (CA INDEX NAME)



RN 847344-15-4 CAPLUS

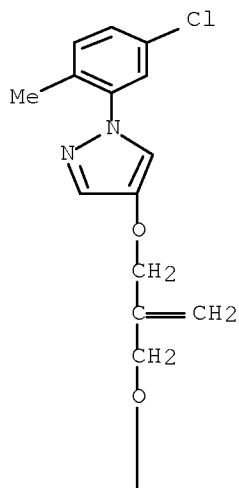
CN 1H-Pyrazole, 1-(3-bromophenyl)-3-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy)methyl]-2-propen-1-yl]oxy]-5-methyl- (CA INDEX NAME)



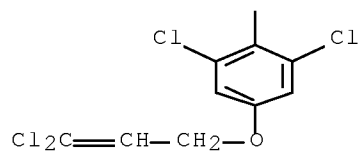
RN 847344-16-5 CAPLUS

CN 1H-Pyrazole, 1-(5-chloro-2-methylphenyl)-4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy)methyl]-2-propen-1-yl]oxy]- (CA INDEX NAME)

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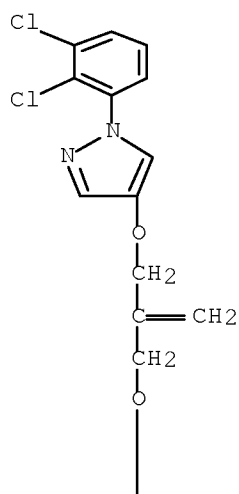


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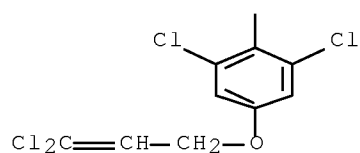


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|----|---|--------|--|
| RN | 847344-17-6 | CAPLUS | |
| CN | 1H-Pyrazole, 4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]-1-(2,3-dichlorophenyl)- (CA INDEX NAME) | | |

PAGE 1-A

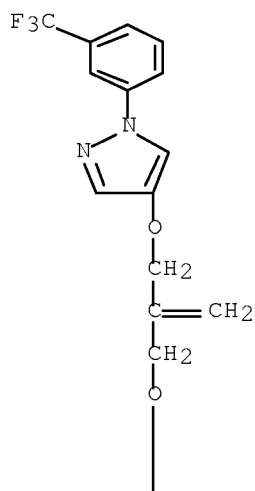


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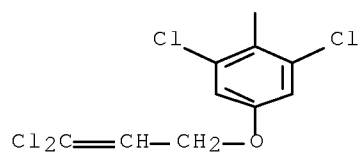


RN 847344-18-7 CAPLUS
 CN 1H-Pyrazole, 4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]-1-[3-(trifluoromethyl)phenyl]-
 (CA INDEX NAME)

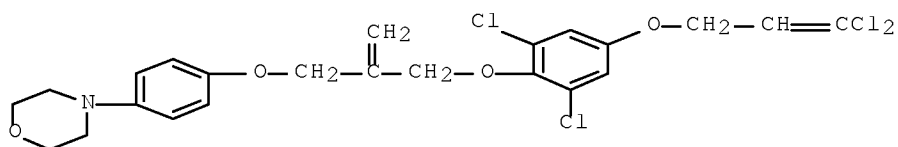
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PAGE 2-A

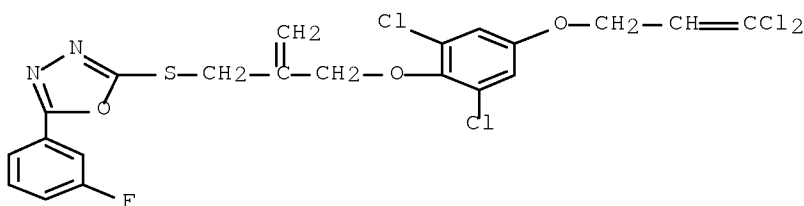


RN 847344-23-4 CAPLUS
 CN Morpholine, 4-[4-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]oxy]phenyl]- (CA INDEX NAME)



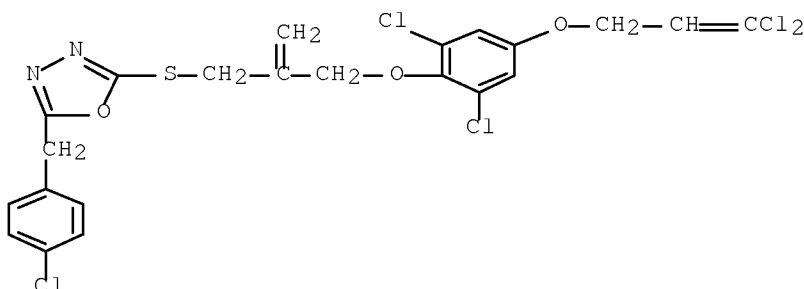
RN 847344-27-8 CAPLUS

CN 1,3,4-Oxadiazole, 2-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]thio]-5-(3-fluorophenyl)- (CA INDEX NAME)



RN 847344-29-0 CAPLUS

CN 1,3,4-Oxadiazole, 2-[[2-[[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]methyl]-2-propen-1-yl]thio]-5-(4-chlorophenyl)- (CA INDEX NAME)



L16 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:1154652 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 142:93516

TITLE: Preparation of pesticidally active ketone and oxime derivatives

INVENTOR(S): Zambach, Werner; Hall, Roger Graham
; Renold, Peter; Trah, Stephan

PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.

SOURCE: PCT Int. Appl., 83 pp.

CODEN: PIXXD2

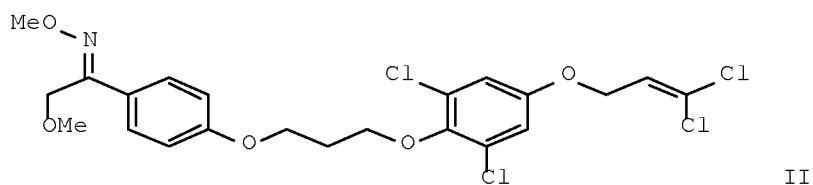
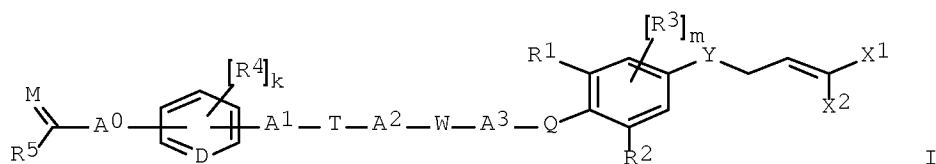
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| WO 2004113273 | A1 | 20041229 | WO 2004-EP6749 | 20040622 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| EP 1638924 | A1 | 20060329 | EP 2004-740174 | 20040622 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK | | | | |
| JP 2008529962 | T | 20080807 | JP 2006-516029 | 20040622 |
| US 20060128670 | A1 | 20060615 | US 2005-560292 | 20051212 |
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| PRIORITY APPLN. INFO.: | | | CH 2003-1096 | A 20030623 |
| | | | WO 2004-EP6749 | W 20040622 |
| | | | US 2005-560292 | A1 20051212 |
| OTHER SOURCE(S): MARPAT 142:93516 | | | | |
| GI | | | | |



AB The title compds. I [A0-A3 = (un)substituted alkylene; Y = O, S, SO, SO₂, (un)substituted NH; M = O, NOR₆; X₁, X₂ = F, Cl, Br; R₁-R₃ = H, halo, OH, SH, CN, NO₂, alkyl, haloalkyl, alkylcarbonyl, alkenyl, haloalkenyl, alkynyl, etc.; Q = O, S, SO, SO₂, (un)substituted NH; W = O, S, SO, SO₂, CO₂, etc.; T = a bond, O, S, SO, SO₂, CO₂, etc.; D = CH, N; R₄ = H, halo, OH, SH, CN, NO₂, alkyl, haloalkyl, etc.; R₅ = alkyl, cycloalkyl, (un)substituted NH₂, etc.; R₆ = H, alkyl, cycloalkyl, etc.; k = 0-4; m = 1-2], were prepared E.g., a multi-step synthesis of II, starting from 2-bromo-1-(4-hydroxyphenyl)ethanone, which was more than 80% effective against *Heliothis virescens*, *Plutella xylostella*, and *Spodoptera littoralis*, was given. The invention also relates to pesticidal compns. in which the active ingredient has been selected from the compds. I and agrochem. acceptable salts thereof, and a process for the preparation of those compns. and their use, to plant propagation material treated with those compns., and a method of controlling pests.

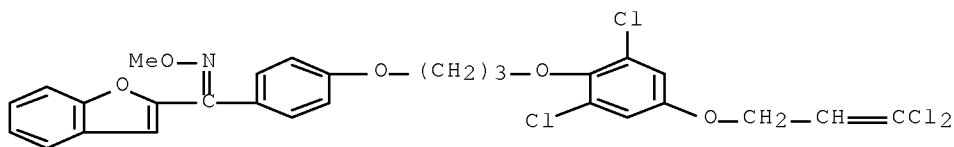
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pesticidally active ketone and oxime derivs.)

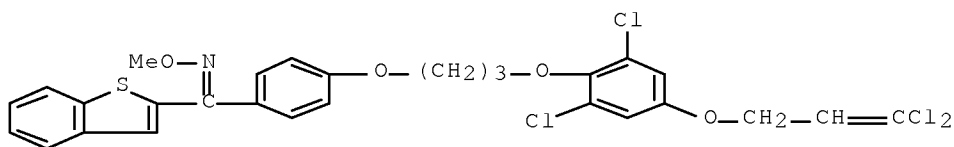
RN 818375-48-3 CAPLUS

CN Methanone, 2-benzofuranyl[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-, O-methyloxime (CA INDEX NAME)



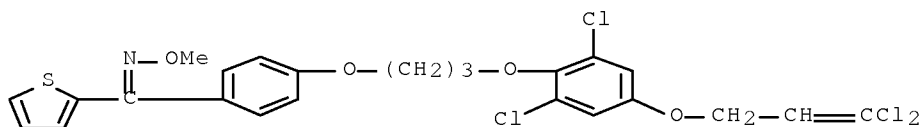
RN 818375-49-4 CAPLUS

CN Methanone, benzo[b]thien-2-yl[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-, O-methyloxime (CA INDEX NAME)



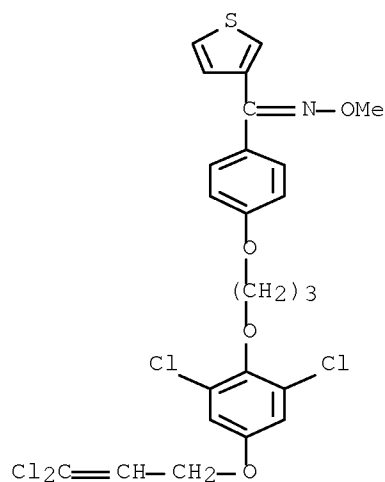
RN 818375-50-7 CAPLUS

CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-2-thienyl-, O-methyloxime (CA INDEX NAME)



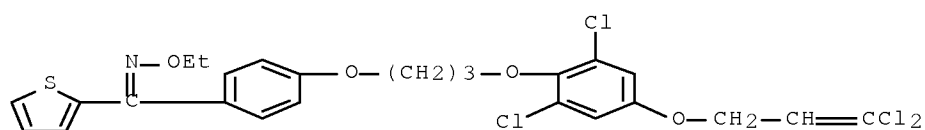
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CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-3-thienyl-, O-methyloxime (CA INDEX NAME)



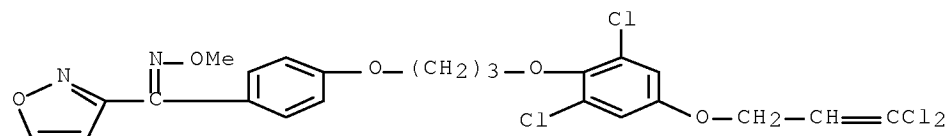
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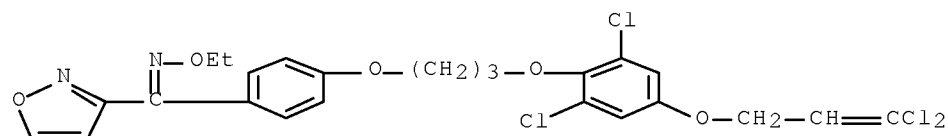
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CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-3-isoxazolyl-, O-methyloxime (CA INDEX NAME)



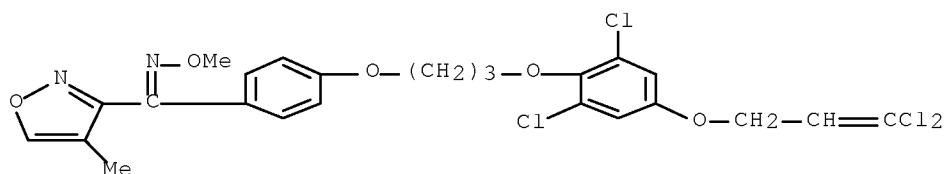
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CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-3-isoxazolyl-, O-ethyloxime (CA INDEX NAME)



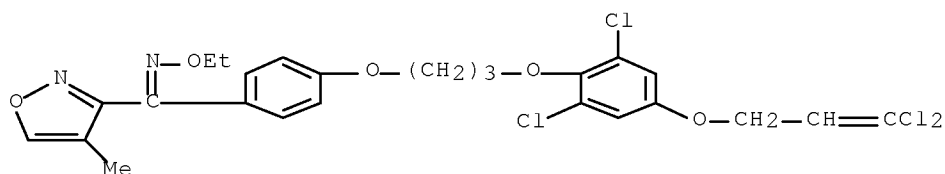
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CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl](4-methyl-3-isoxazolyl)-, O-methyloxime (CA INDEX NAME)



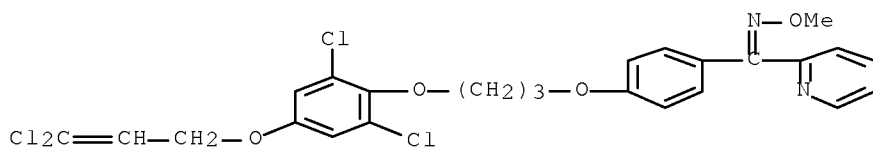
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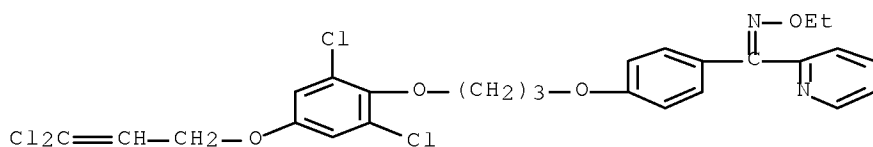
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CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-2-pyridinyl-, O-methyloxime (CA INDEX NAME)



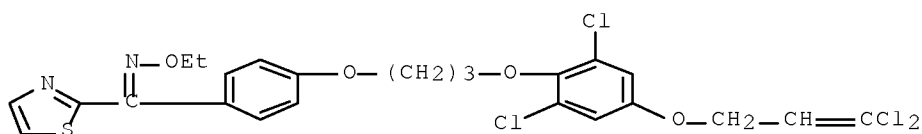
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CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-2-pyridinyl-, O-ethyloxime (CA INDEX NAME)



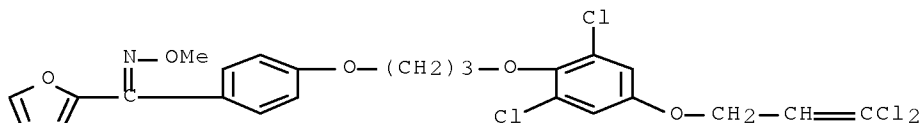
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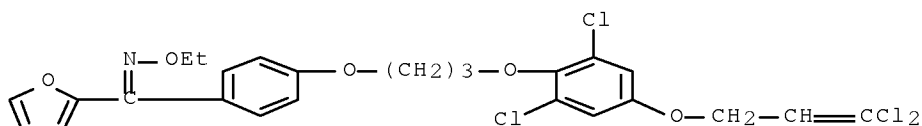
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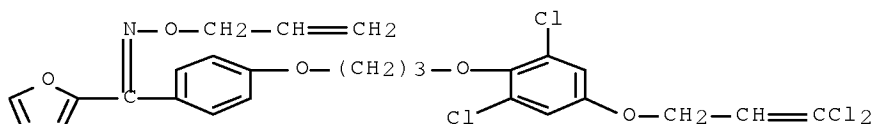
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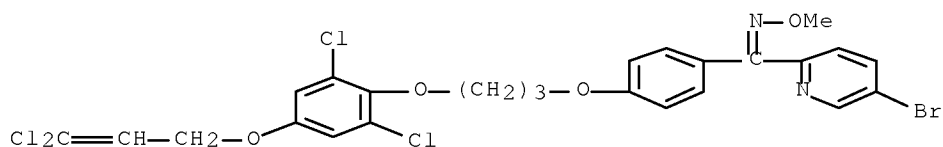
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CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-2-furanyl-, O-2-propen-1-yloxime (CA INDEX NAME)



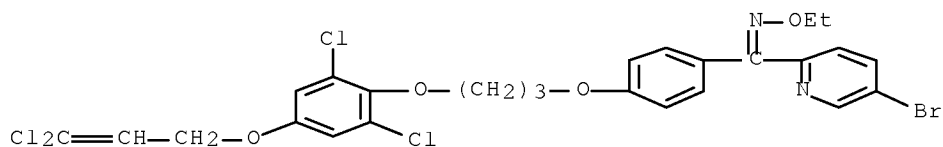
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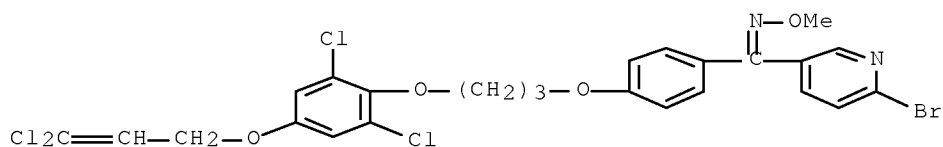
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CN Methanone, (5-bromo-2-pyridinyl) [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-, O-ethyloxime (CA INDEX NAME)



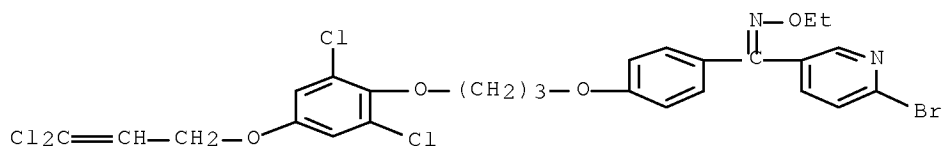
RN 818375-80-3 CAPLUS

CN Methanone, (6-bromo-3-pyridinyl) [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-, O-methyloxime (CA INDEX NAME)



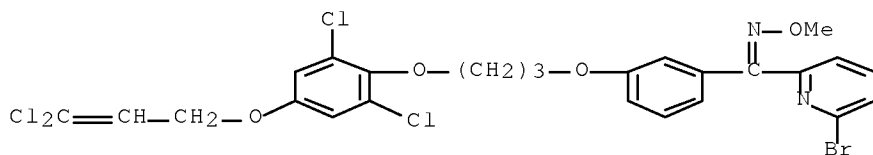
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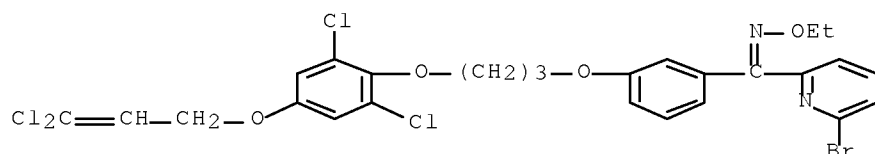
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CN Methanone, (6-bromo-2-pyridinyl) [3-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-, O-methyloxime (CA INDEX NAME)



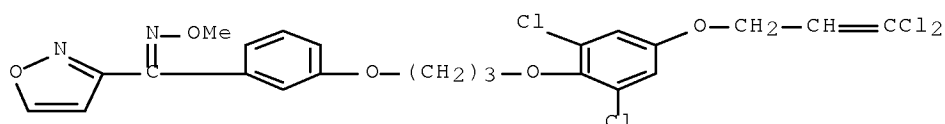
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CN Methanone, (6-bromo-2-pyridinyl) [3-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-, O-ethyloxime (CA INDEX NAME)



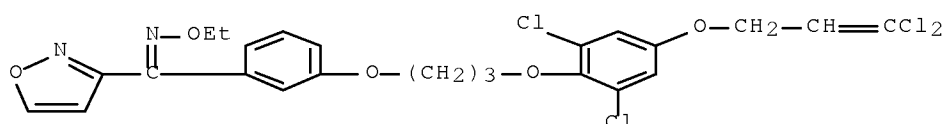
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CN Methanone, [3-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-3-isoxazolyl-, O-methyloxime (CA INDEX NAME)



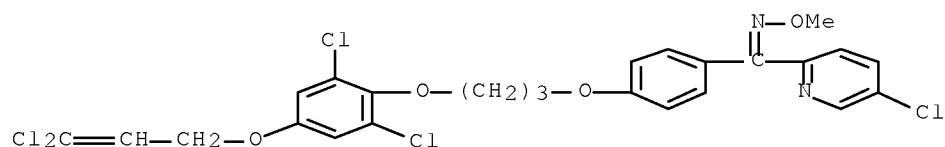
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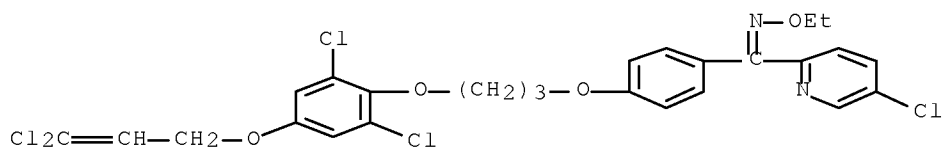
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CN Methanone, (5-chloro-2-pyridinyl) [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-, O-methyloxime (CA INDEX NAME)



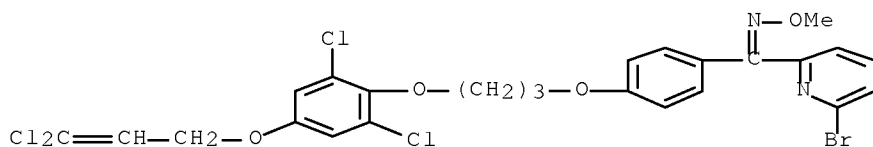
RN 818375-87-0 CAPLUS

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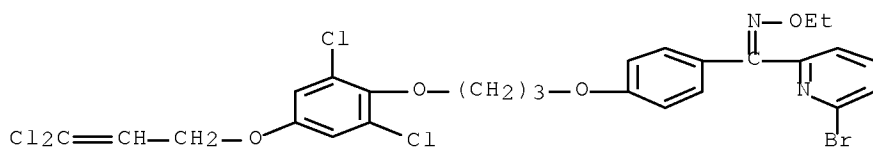
RN 818375-88-1 CAPLUS

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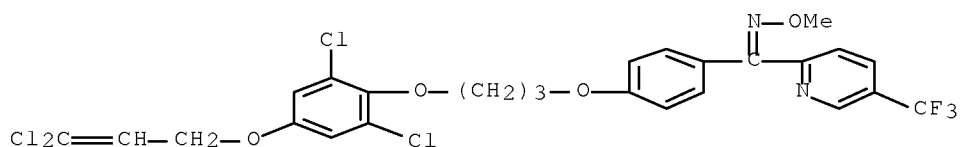
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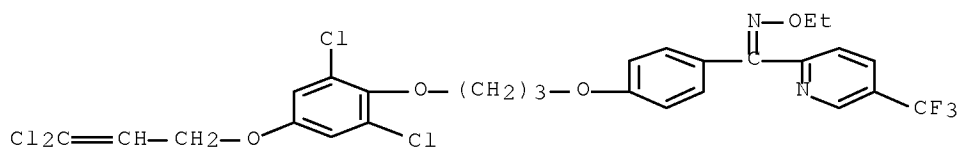
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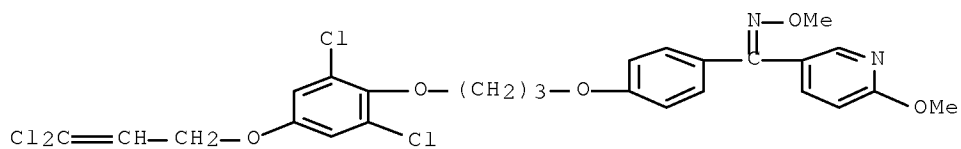
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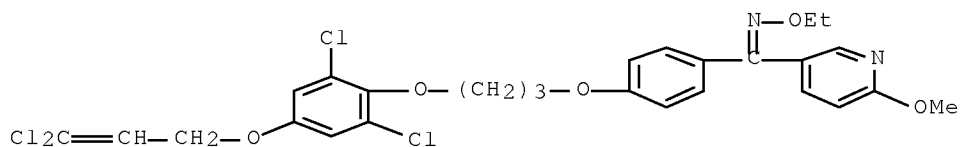
RN 818375-92-7 CAPLUS

CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl](6-methoxy-3-pyridinyl)-, O-methyloxime (CA INDEX NAME)



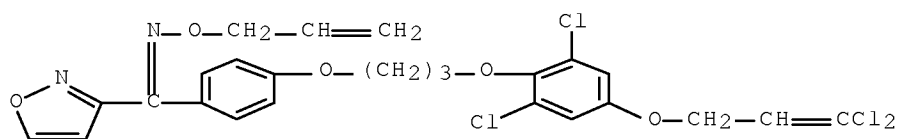
RN 818375-93-8 CAPLUS

CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl](6-methoxy-3-pyridinyl)-, O-ethyloxime (CA INDEX NAME)



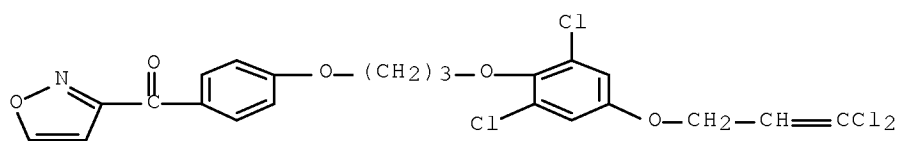
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CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-3-isoxazolyl-, O-2-propen-1-yloxime (CA INDEX NAME)



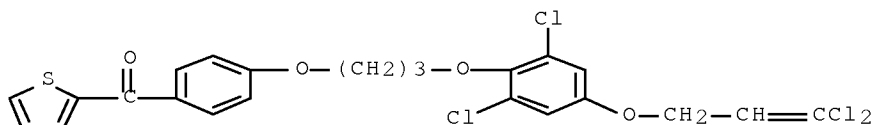
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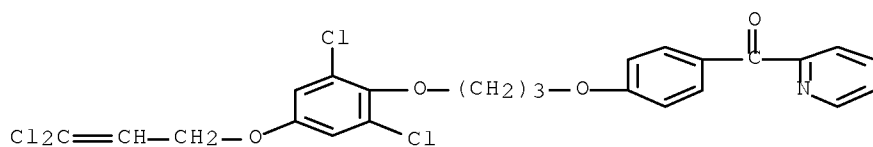
RN 818376-12-4 CAPLUS

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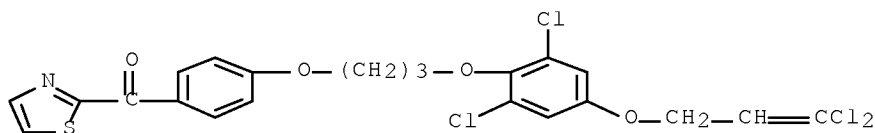
RN 818376-13-5 CAPLUS

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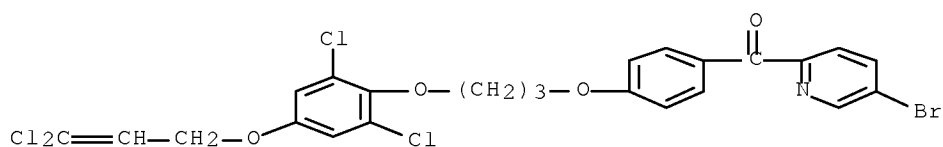
RN 818376-14-6 CAPLUS

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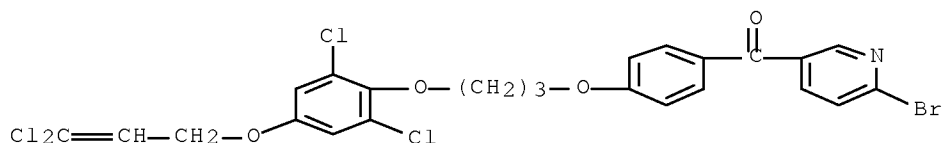


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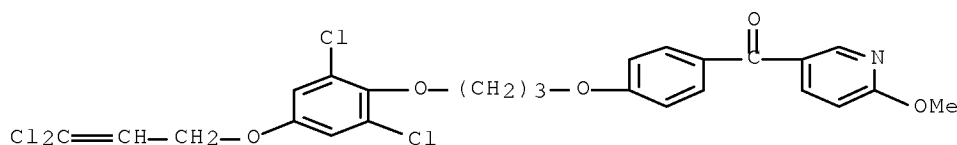
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RN 818376-16-8 CAPLUS
 CN Methanone, (6-bromo-3-pyridinyl) [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]- (CA INDEX NAME)



RN 818376-17-9 CAPLUS
 CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl] (6-methoxy-3-pyridinyl)- (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:513651 CAPLUS Full-text
 DOCUMENT NUMBER: 141:71344
 TITLE: Preparation of dihalo-allyloxy-phenol derivatives having pesticidal activity

INVENTOR(S): Zambach, Werner; Renold, Peter; Hall, Roger Graham; Trah, Stephan

PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.

SOURCE: PCT Int. Appl., 70 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

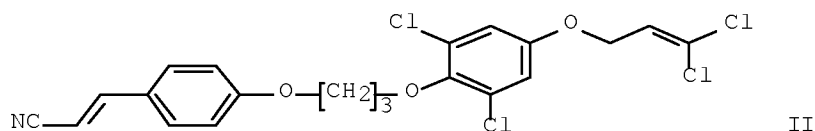
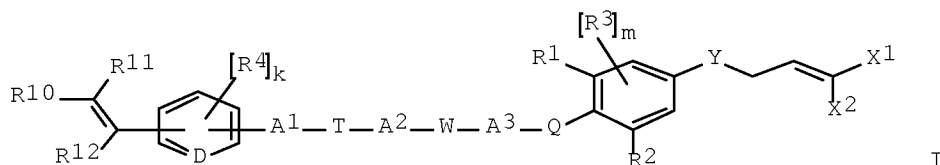
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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| WO 2004052816 | A1 | 20040624 | WO 2003-EP14009 | 20031210 |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| RW: | BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| AU 2003288248 | A1 | 20040630 | AU 2003-288248 | 20031210 |

EP 1572612 A1 20050914 EP 2003-780146 20031210
 EP 1572612 B1 20071031
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 JP 2006509794 T 20060323 JP 2004-558059 20031210
 AT 376988 T 20071115 AT 2003-780146 20031210
 ES 2291718 T3 20080301 ES 2003-780146 20031210
 US 20060014806 A1 20060119 US 2005-537444 20050602
 PRIORITY APPLN. INFO.: CH 2002-2104 A 20021211
 WO 2003-EP14009 W 20031210
 OTHER SOURCE(S): MARPAT 141:71344
 GI



AB The title compds. [I; A1, A2 = a bond, alkylene; A3 = alkylene; X1, X2 = F, Cl, Br; Y = O, NR7, S, SO, SO2; R1-R3 = H, halo, OH, SH, CN, NO2, alkyl, haloalkyl, alkylcarbonyl, alkenyl; Q = O, NR5, S, SO, SO2; W = O, NR5, SO, etc.; T = a bond, O, NR5, etc.; D is CH or N; R4 = H, halogen, OH, SH, CN, NO2, etc.; R5, R7 = H, alkyl, haloalkyl, etc.; k = 1-4; m = 1-2; R10 = radical which contains O, N or S; R11 = H, alkyl or a radical which contains from 1-3 hetero atoms selected from O, N and S; or R11 together with R12 is a bond; R12 = H, alkyl, haloalkyl, alkoxyalkyl, etc.] useful for controlling pests, were prepared Thus, reacting cyanomethanephosphoric acid di-Et ester with 4-{3-[2,6-dichloro-4-(3,3-dichloroallyloxy)phenoxy]propoxy}benzaldehyde afforded II which was more than 80% effective against *Heliothis virescens* caterpillars, *Plutella xylostella* caterpillars, and *Spodoptera littoralis*.

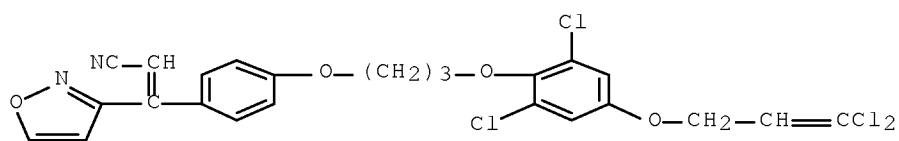
IT 711012-98-5P 711012-99-6P 711013-00-2P
 711013-01-3P 711013-02-4P 711013-03-5P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of dihalo-allyloxy-phenol derivs. having pesticidal activity)

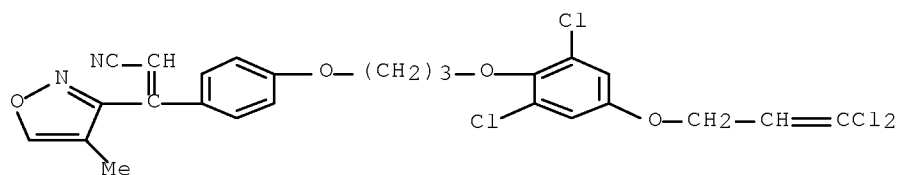
RN 711012-98-5 CAPLUS

CN 2-Propenenitrile, 3-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-3-(3-isoxazolyl)- (CA INDEX NAME)



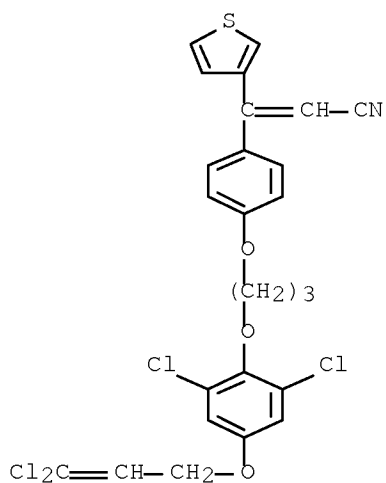
RN 711012-99-6 CAPLUS

CN 2-Propenenitrile, 3-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-3-(4-methyl-3-isoxazolyl)- (CA INDEX NAME)



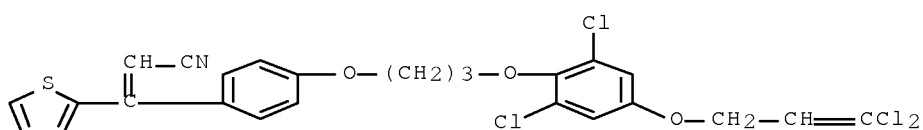
RN 711013-00-2 CAPLUS

CN 2-Propenenitrile, 3-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-3-(3-thienyl)- (CA INDEX NAME)

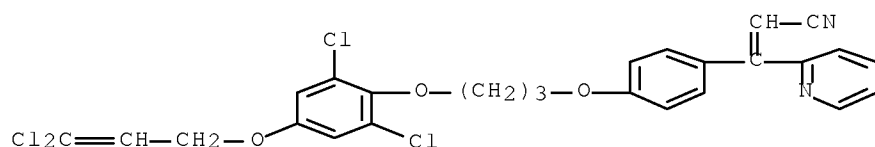


RN 711013-01-3 CAPLUS

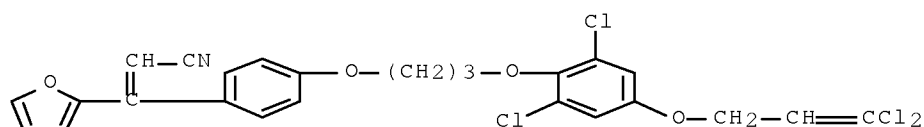
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RN 711013-02-4 CAPLUS
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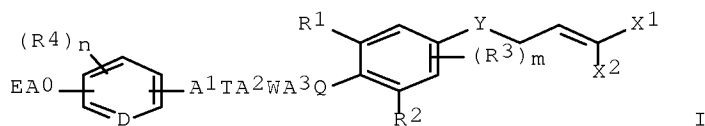
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L16 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:203839 CAPLUS Full-text
 DOCUMENT NUMBER: 140:253566
 TITLE: Preparation of dihaloallyloxyphenoxypropoxyphenylazole
 s as pesticides.
 INVENTOR(S): Zambach, Werner; Steiger, Arthur; Renold,
 Peter; Trah, Stephan; Hall, Roger
 Graham
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 71 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| WO 2004020445 | A2 | 20040311 | WO 2003-EP9636 | 20030829 |
| WO 2004020445 | A3 | 20040415 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| AU 2003266333 | A1 | 20040319 | AU 2003-266333 | 20030829 |
| EP 1537077 | A2 | 20050608 | EP 2003-790947 | 20030829 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, | | | |

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 JP 2006507245 T 20060302 JP 2004-532153 20030829
 US 20050288186 A1 20051229 US 2005-525891 20050225
 PRIORITY APPLN. INFO.: CH 2002-1487 A 20020830
 WO 2003-EP9636 W 20030829
 OTHER SOURCE(S): MARPAT 140:253566
 GI



AB Title compds. [I; A0-A2 = bond, (substituted) alkylene; A3 = (substituted) alkylene; D = CH, N; X1, X2 = F, Cl, Br; R1-R3 = H, halo, OH, SH, cyano, NO2, alkyl, haloalkyl, alkylcarbonyl, alkenyl, haloalkenyl, alkynyl, alkoxy, alkenyloxy, alkynyloxy, alkoxycarbonyl, etc.; R4 = H, halo, OH, SH, cyano, NO2, alkyl, haloalkyl, alkylcarbonyl, alkoxy, alkylsulfonyl, alkoxycarbonyl, etc.; W = O, NR6, S, SO, SO2, CO2, etc.; T = bond, O, NH, NR6, S, SO, SO2, CO2, etc.; Q, Y = O, NR6, S, SO, SO2; R6 = H, alkyl, haloalkyl, alkylcarbonyl, haloalkylcarbonyl, alkoxyalkyl, cycloalkyl, PhCH2; E = (substituted) heteroaryl; m = 1, 2; n = 1-3 when D = N; n = 1-4 when D = CH], were prepared Thus, 5-[4-[3-[2,6-dichloro-4-(3,3-dichloroallyloxy)phenoxy]propoxy]phenyl]-2H-tetrazole (preparation given) was stirred with EtI and K2CO3 in DMF for 4 h at 50° to give 5-[4-[3-[2,6-dichloro-4-(3,3-dichloroallyloxy)phenoxy]propoxy]phenyl]-2H-2-ethyltetrazole. The latter as a 400 ppm spray on cabbage plants was >80% effective against *Heliothis virescens* caterpillars.

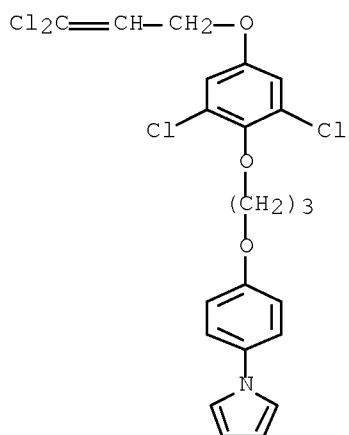
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 669055-82-7P 669055-83-8P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of dihaloallyloxyphenoxypropoxyphenylazoles as pesticides)

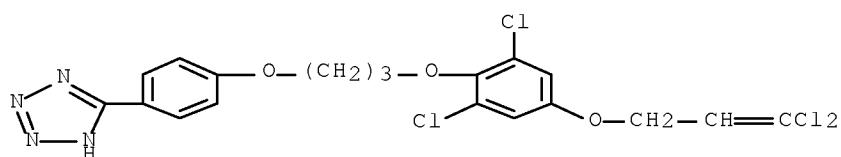
RN 669055-61-2 CAPLUS

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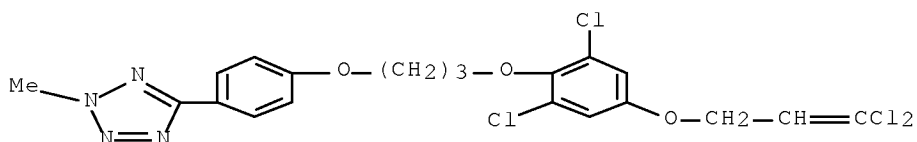
RN 669055-62-3 CAPLUS

CN 2H-Tetrazole, 5-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]- (CA INDEX NAME)



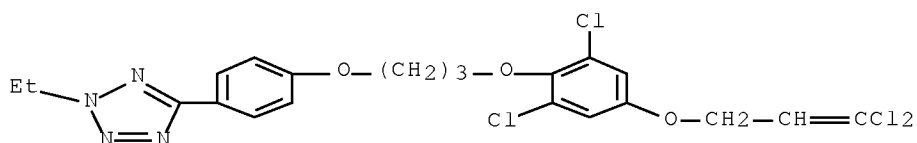
RN 669055-63-4 CAPLUS

CN 2H-Tetrazole, 5-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-2-methyl- (CA INDEX NAME)



RN 669055-64-5 CAPLUS

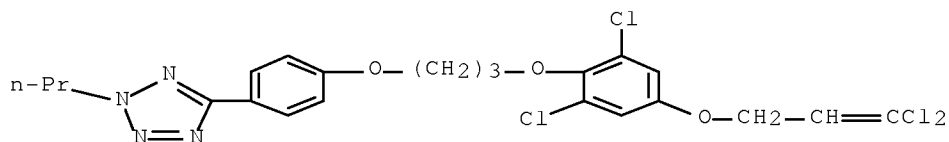
CN 2H-Tetrazole, 5-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-2-ethyl- (CA INDEX NAME)



RN 669055-65-6 CAPLUS

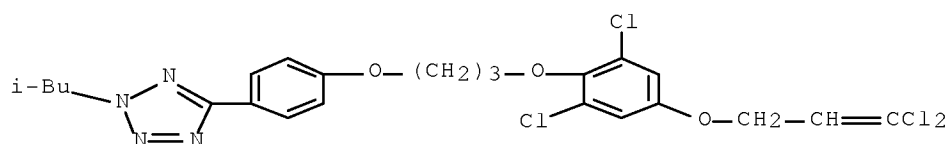
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yl)oxy]phenoxy]propoxy]phenyl]-2-propyl- (CA INDEX NAME)



RN 669055-66-7 CAPLUS

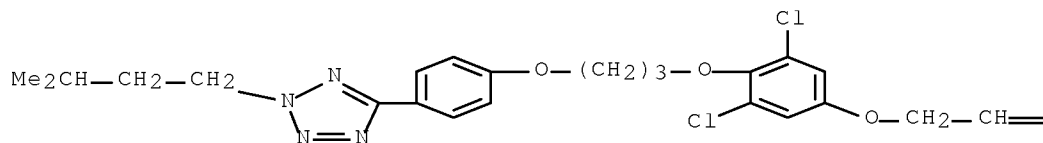
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RN 669055-67-8 CAPLUS

CN 2H-Tetrazole, 5-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-2-(3-methylbutyl)- (CA INDEX NAME)

PAGE 1-A



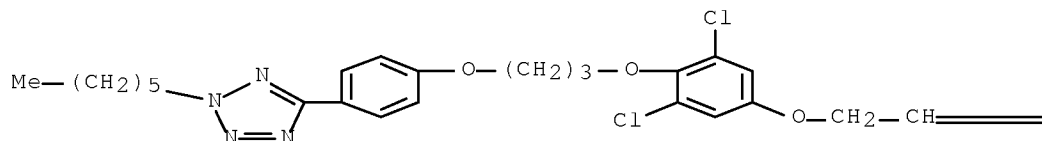
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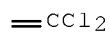
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PAGE 1-A

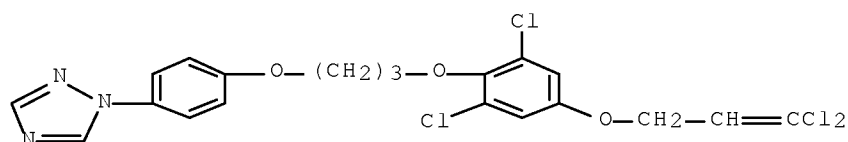


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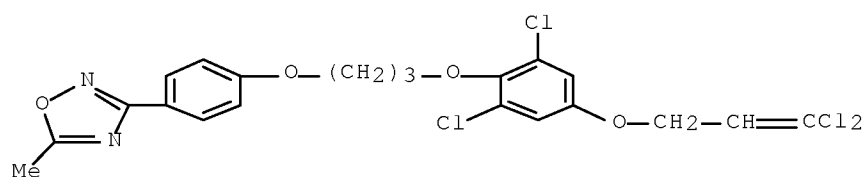
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CN 1H-1,2,4-Triazole, 1-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]- (CA INDEX NAME)



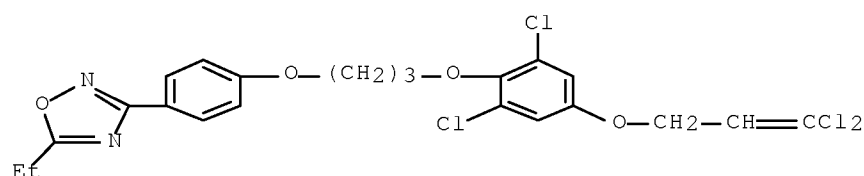
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CN 1,2,4-Oxadiazole, 3-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-5-methyl- (CA INDEX NAME)



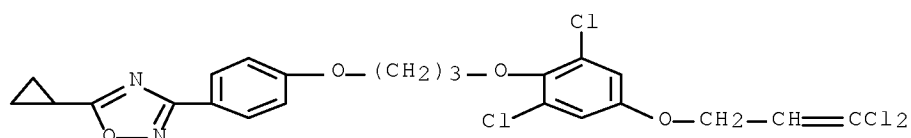
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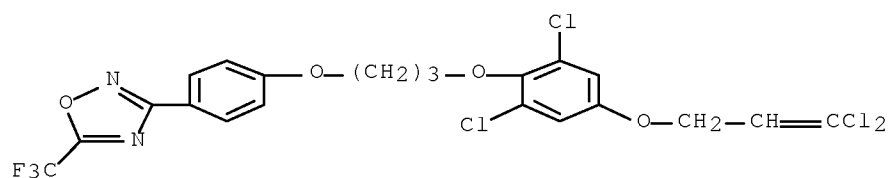
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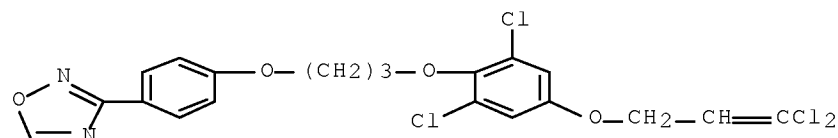
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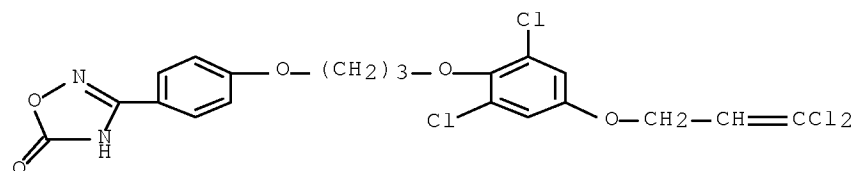
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CN 1,2,4-Oxadiazole, 3-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]- (CA INDEX NAME)



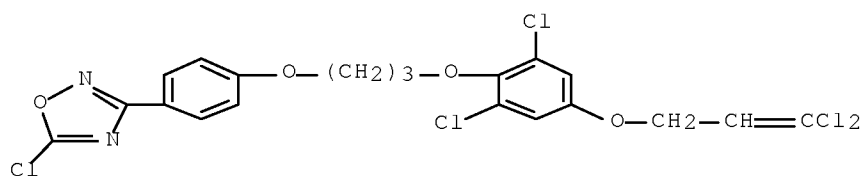
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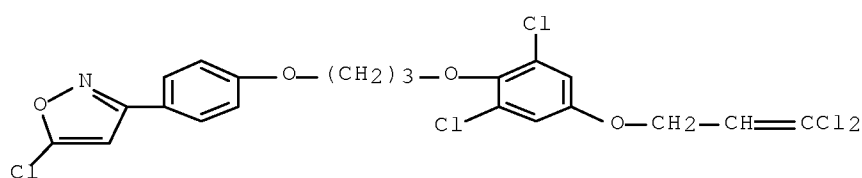
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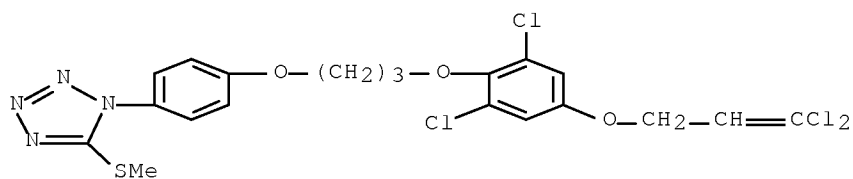
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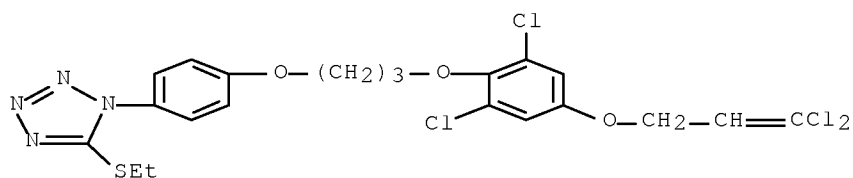
RN 669055-78-1 CAPLUS

CN 1H-Tetrazole, 1-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-5-(methylthio)- (CA INDEX NAME)



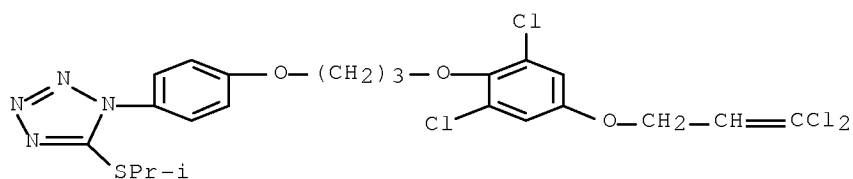
RN 669055-79-2 CAPLUS

CN 1H-Tetrazole, 1-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-5-(ethylthio)- (CA INDEX NAME)



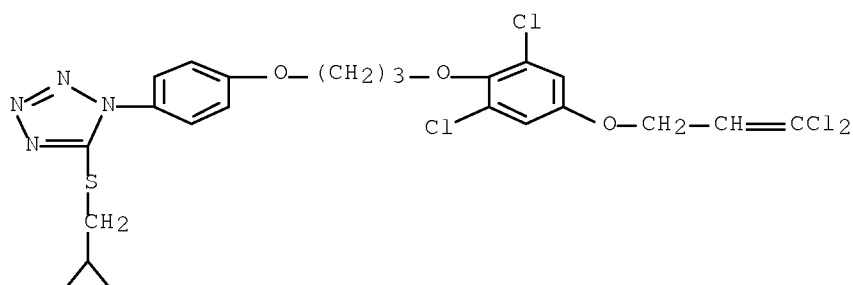
RN 669055-80-5 CAPLUS

CN 1H-Tetrazole, 1-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-5-[(1-methylethyl)thio]- (CA INDEX NAME)



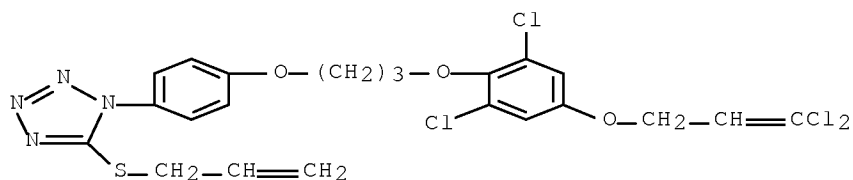
RN 669055-81-6 CAPLUS

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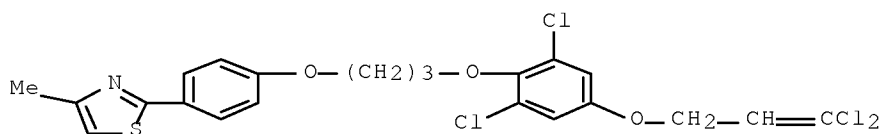
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CN 1H-Tetrazole, 1-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-5-(2-propen-1-ylthio)- (CA INDEX NAME)



RN 669055-83-8 CAPLUS

CN Thiazole, 2-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-4-methyl- (CA INDEX NAME)



L16 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:20645 CAPLUS Full-text

DOCUMENT NUMBER: 140:93783

TITLE: Preparation of of 1-{4-(3,3-dihaloallyloxy)phenoxy}-3-

INVENTOR(S): phenoxypropanes as pesticides
 Zambach, Werner; Renold, Peter; Steiger,
 Arthur; Trah, Stephan; Hall, Roger
 Graham

PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.

SOURCE: PCT Int. Appl., 69 pp.
 CODEN: PIXXD2

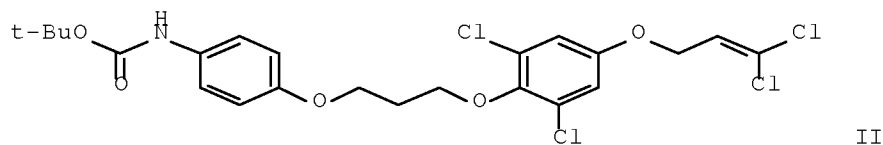
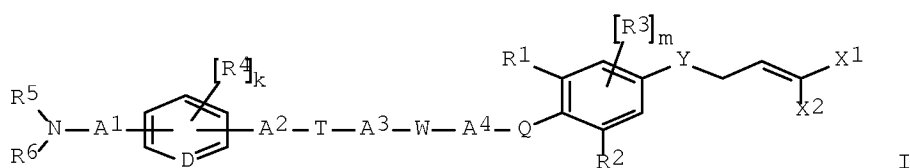
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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| BR 2003012287 | A | 20050412 | BR 2003-12287 | 20030627 |
| CN 1681771 | A | 20051012 | CN 2003-815304 | 20030627 |
| JP 2005531621 | T | 20051020 | JP 2004-516728 | 20030627 |
| MX 2004PA12429 | A | 20050419 | MX 2004-PA12429 | 20041209 |
| US 20050245583 | A1 | 20051103 | US 2004-518888 | 20041221 |
| US 7192965 | B2 | 20070320 | | |
| IN 2004CN02919 | A | 20060217 | IN 2004-CN2919 | 20041222 |
| US 20070142445 | A1 | 20070621 | US 2007-675149 | 20070215 |
| US 7414064 | B2 | 20080819 | | |
| PRIORITY APPLN. INFO.: | | | CH 2002-1123 | A 20020628 |
| | | | WO 2003-EP6846 | W 20030627 |
| | | | US 2004-518888 | A3 20041221 |
| OTHER SOURCE(S): | MARPAT 140:93783 | | | |
| GI | | | | |



AB The title compds. [I; A1-A3 = a bond, alkylene; A4 = alkylene; D = CH, N; W = O, NR7, S, etc.; T = a bond, O, NH, NR7, etc.; Q = O, NR7, S, SO or SO2; Y = O, NR7, S, SO, or SO2; X1, X2 = F, Cl, Br; R1-R3 = H, halo, CN, NO2, alkyl, etc.; R4 = H, halo, CN, NO2, alkyl, etc.; R5, R6 = H, CN, OH, alkyl, etc.; R7 = H, alkyl, alkoxyalkyl, alkylcarbonyl, etc.; k = 1-3 when D = N, or k = 1-4 when D = CH; and m = 1-2], useful for controlling pests, were prepared Thus, reacting 3-[2,6-dichloro-4-(3,3-dichloroallyloxy)phenoxy]propan-1-ol with tert-Bu (4-hydroxyphenyl)carbamate in the presence of azadicarboxylic acid diisopropyl ester and PPh3 in THF afforded II which showed to be more than 80% effective against *Heliothis virescens* caterpillars at 400 ppm.

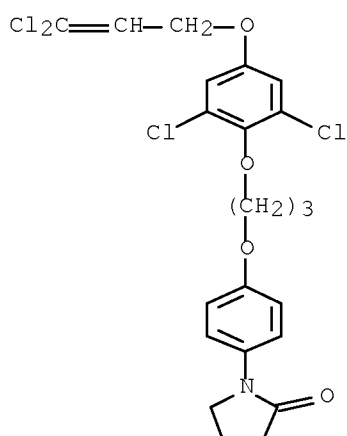
IT 642461-40-3F 642461-41-4F 642461-42-5F

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of of 1-{4-(3,3-dihaloallyloxy)phenoxy}-3-phenoxypropanes as pesticides)

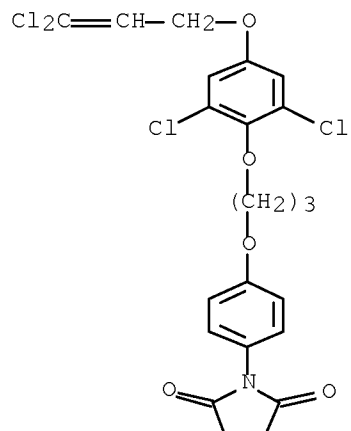
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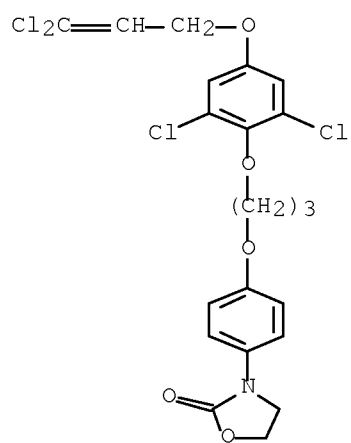
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CN 2,5-Pyrrolidinedione, 1-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]- (CA INDEX NAME)



RN 642461-42-5 CAPLUS

CN 2-Oxazolidinone, 3-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]- (CA INDEX NAME)



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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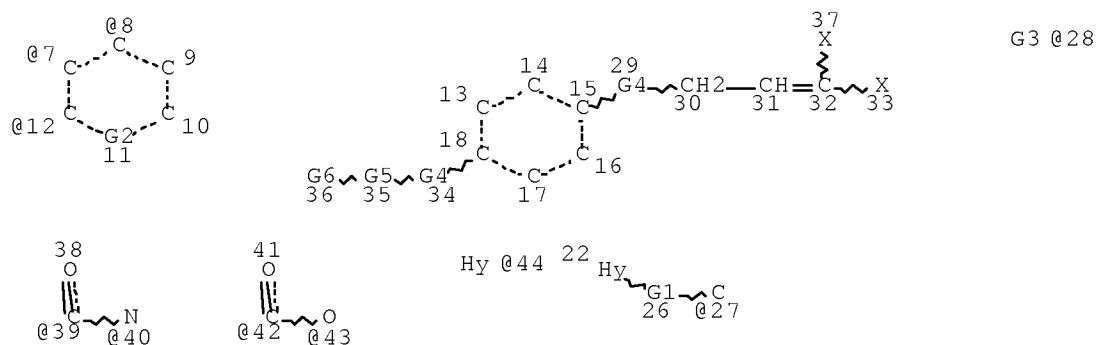
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L5 STR



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STEREO ATTRIBUTES: NONE

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167 ANSWERS

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L18 222624 SEA FILE=REGISTRY ABB=ON 16.525/RID =COMPOUNDS CONTAINING
TETRAZOLE

L19 24 SEA FILE=REGISTRY ABB=ON L9 AND L18

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FILE LAST UPDATED: 28 Aug 2008 (20080828/ED)

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L20 3 L19

=> s l20 not l16

L21 0 L20 NOT L16 ALL REFERENCES CONTAINING RNs FOR TETRAZOLE-
CONTAINING HITS WERE PRINTED IN THE INVENTOR SEARCH ANSWER SET; TITLES FOR THESE
ARE GIVEN BELOW

=> d scan ti l20

L20 3 ANSWERS CAPLUS COPYRIGHT 2008 ACS on STN

TI Preparation of (3,3-dihaloallyloxy)phenol derivatives as pesticides

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L20 3 ANSWERS CAPLUS COPYRIGHT 2008 ACS on STN
 TI Preparation of various heterocyclic allyl derivatives as pesticides

L20 3 ANSWERS CAPLUS COPYRIGHT 2008 ACS on STN
 TI Preparation of dihaloallyloxyphenoxypropoxyphenylazoles as pesticides.

ALL ANSWERS HAVE BEEN SCANNED

=> d que nos l11; s l11 not l16
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 L9 167 SEA FILE=REGISTRY SSS FUL L5
 L11 8 SEA FILE=CAPLUS ABB=ON L9

L22 2 L11 NOT L16 UNIQUE REFERENCES IN WHICH 'HET'=ANY HETEROCYCLE

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L22 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:964833 CAPLUS Full-text
 DOCUMENT NUMBER: 141:410815
 TITLE: Preparation of (dihalopropenyl) phenylalkyl
 substituted dihydrobenzofuran and dihydrobenzopyran
 derivatives as insecticides
 INVENTOR(S): Theodoridis, George; Barron, Edward J.; Suarez,
 Dominic P.; Zhang, Y. Larry; Ding, Ping; Roush, David
 M.; Donovan, Stephen F.; Zawacki, Frank J.; Yeager,
 Walter H.; Lyga, John W.; Cohen, Daniel H.
 PATENT ASSIGNEE(S): Fmc Corporation, USA
 SOURCE: U.S. Pat. Appl. Publ., 28 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

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| ----- | ---- | ----- | ----- | ----- |
| US 20040224994 | A1 | 20041111 | US 2004-832624 | 20040427 |
| US 6987194 | B2 | 20060117 | | |
| AU 2004236195 | A1 | 20041118 | AU 2004-236195 | 20040427 |
| AU 2004237745 | A1 | 20041118 | AU 2004-237745 | 20040427 |
| CA 2523085 | A1 | 20041118 | CA 2004-2523085 | 20040427 |
| CA 2523191 | A1 | 20041118 | CA 2004-2523191 | 20040427 |
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| WO 2004099145 | A2 | 20041118 | WO 2004-US12890 | 20040427 |
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| AU 2004237752 | A1 | 20041118 | AU 2004-237752 | 20040428 |
| CA 2522857 | A1 | 20041118 | CA 2004-2522857 | 20040428 |
| CA 2523231 | A1 | 20041118 | CA 2004-2523231 | 20040428 |
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| WO 2004098284 | A2 | 20041118 | WO 2004-US13023 | 20040428 |
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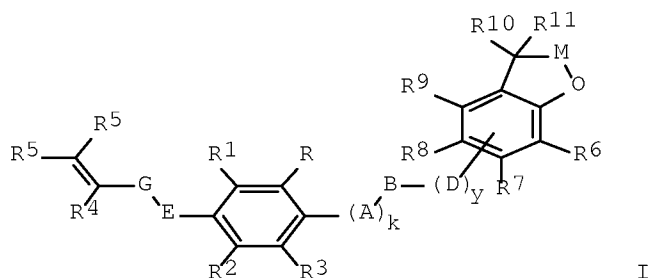
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| BR 2004009682 | A | 20060418 | BR 2004-9682 | 20040428 |
| BR 2004009795 | A | 20060530 | BR 2004-9795 | 20040428 |
| CN 1780828 | A | 20060531 | CN 2004-80011459 | 20040428 |
| CN 1780619 | A | 20060531 | CN 2004-80011460 | 20040428 |
| JP 2006525337 | T | 20061109 | JP 2006-513376 | 20040428 |
| JP 2006525338 | T | 20061109 | JP 2006-513379 | 20040428 |
| US 20050171356 | A1 | 20050804 | US 2004-510331 | 20041005 |
| US 7208450 | B2 | 20070424 | | |
| IN 2005DN04803 | A | 20070810 | IN 2005-DN4803 | 20051020 |
| IN 2005DN04804 | A | 20070817 | IN 2005-DN4804 | 20051020 |
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| IN 2005DN04802 | A | 20071012 | IN 2005-DN4802 | 20051020 |
| US 20060247283 | A1 | 20061102 | US 2005-554347 | 20051024 |
| US 20060270726 | A1 | 20061130 | US 2005-554328 | 20051024 |
| US 20060094776 | A1 | 20060504 | US 2005-292023 | 20051201 |

PRIORITY APPLN. INFO.:

| | | |
|-----------------|----|----------|
| US 2003-466674P | P | 20030430 |
| US 2004-832624 | A3 | 20040427 |
| WO 2004-US12886 | W | 20040427 |
| WO 2004-US12890 | W | 20040427 |
| WO 2004-US13014 | W | 20040428 |
| WO 2004-US13023 | W | 20040428 |

OTHER SOURCE(S): MARPAT 141:410815
GI



AB The title compds. (I) [R, R3 = H, halogen, HO, alkyl, cycloalkyl, alkenyl, alkynyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfonyl, haloalkylsulfonyl, cyano, nitro, each (un)substituted NH₂, etc.; R1, R2 = H, halogen, alkyl; R4 = H; R5 = halogen; E = CH₂, O, S, (un)substituted NH; G = O, S, CH₂O*, (CH₂)_n (where the asterisk denotes attachment to E; n = 1, 2; provided that E and G are not simultaneously O or S); x = 0, 1; when x = 1, A = O, S(O)_p and (un)substituted NH (where p = 0, 1, 2); B = (un)substituted *(CH₂)_q-(CH₂)_r-(CH₂)_s-Lt-(CH₂)_u-(CH₂)_v-(CH₂)_w-(where the asterisk denotes attachment at A; q, r, s, u, v, w = 0, 1, 2; t = 0, 1; when t = 1, L = CH:CH; O, S(O)_p; OS(O)₂, S(O)₂O, (un)substituted NH, NHSO₂, or NHCONH; Si(CH₃)₂, CO, OC(O), NHC(O), ON:CH, etc.); y = 0, 1; when y = 1, D = O, S(O)_p, (un)substituted NH (wherein p = 0-2); R6-R9 = H, halogen, alkyl, cycloalkyl, alkenyl, alkynyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfonyl, haloalkylsulfonyl, cyano, nitro, aryl, etc; R10, R11 = independently selected from hydrogen, halogen, hydroxy, alkyl, alkoxy, or R10 and R11 taken together are O forming CO, OCH₂CH₂O or SCH₂CH₂S forming a ketal or a thioketal group, or (un)substituted NOH forming an oxime; M = each (un)substituted *CH₂ or *CH₂CH₂ (where the asterisk indicates attachment to O)], and agriculturally acceptable salts thereof are prepared These compds.

provide unexpected insecticidal activity across a spectrum of insect pests combined with desirable phys. properties including improved photostability. In addition, compns. comprising an insecticidally effective amount of at least one compound of formula I and methods of controlling insects by applying said compns. to a locus where insects are present or are expected to be present are also disclosed. Thus, a stirred solution of 0.44 g (0.0011 mol) 4-[4-[(2,2-dimethyl-2,3-dihydrobenzo[2,3-b]furan-7-yl)oxy]butoxy]-3,5-dichlorophenol, 0.3 g (0.0015 mol) 1,1,1,3-tetrachloropropane, and 0.3 g (0.0022 mol) K₂CO₃ in 25 mL DMF was heated at 80° for .apprx.18 h to give, after workup and silica gel chromatog., 0.39 g 5-(3,3-dichloroprop-2-enyloxy)-2-[4-[(2,2-dimethyl-2,3-dihydrobenzo[2,3-b]furan-7-yl)oxy]butoxy]-1,3-dichlorobenzene (II). A wheat germ-based artificial diet containing 0.25 mmol II exhibited 100% mortality and 100% growth inhibition in tobacco budworm [*Heliothis virescens* (Fabricius)].

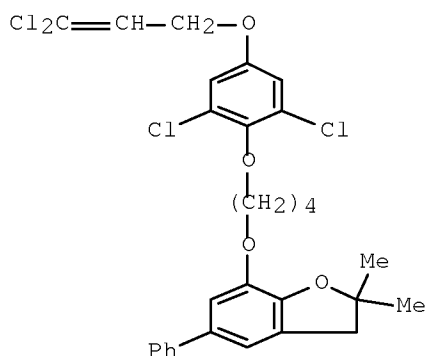
IT 791063-71-3F

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of (dihalopropenyl) phenylalkyl-substituted dihydrobenzofuran and dihydrobenzopyran derivs. as insecticides)

RN 791063-71-3 CAPLUS

CN Benzofuran, 7-[4-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]butoxy]-2,3-dihydro-2,2-dimethyl-5-phenyl- (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1997:513623 CAPLUS Full-text

DOCUMENT NUMBER: 127:190529

ORIGINAL REFERENCE NO.: 127:36949a

TITLE: Dihalopropene compounds, their use as insecticides/acaricides, and intermediates for their production

INVENTOR(S): Ikegami, Hiroshi; Hirose, Taro; Suzuki, Masaya; Izumi, Keiichi; Sakamoto, Noriyasu; Takano, Hirotaka; Takada, Yoji

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Ltd., Japan

SOURCE: PCT Int. Appl., 139 pp.

CODEN: PIXXD2

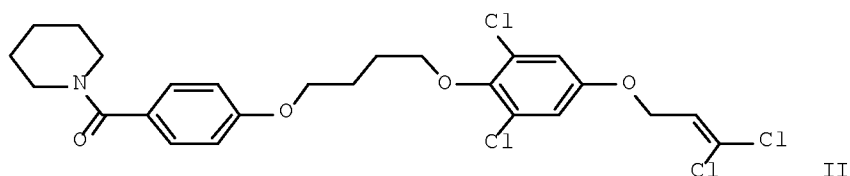
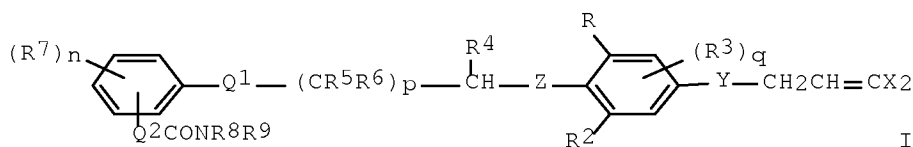
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| WO 9727173 | A2 | 19970731 | WO 1997-JP76 | 19970117 |
| WO 9727173 | A3 | 19980402 | | |
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| RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| AU 9713992 | A | 19970820 | AU 1997-13992 | 19970117 |
| JP 09263572 | A | 19971007 | JP 1997-8040 | 19970120 |
| IN 1997MA00121 | A | 20050304 | IN 1997-MA121 | 19970122 |
| ZA 9700559 | A | 19970730 | ZA 1997-559 | 19970123 |
| PRIORITY APPLN. INFO.: | | | JP 1996-10424 | A 19960124 |
| | | | WO 1997-JP76 | W 19970117 |
| OTHER SOURCE(S): | | MARPAT 127:190529 | | |
| GI | | | | |



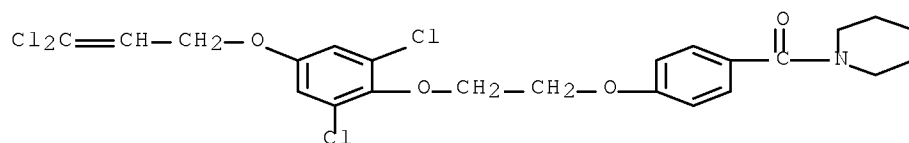
AB Dihalopropene compds. I [wherein R, R₂, R₃ = halo, haloalkyl, alkyl; R₄ = H, alkyl; R₅, R₆ = H, alkyl, CF₃; R₇ = halo, alkyl, CF₃; R₈, R₉ = H, alk(en/yn)yl, haloalk(en/yn)yl, etc.; Q₁ = bond or various C and/or heteroat. linkage groups; Q₂ = bond, O, NR₁₄; R₁₄ = H, alkyl; X = Cl, Br; Y = O, NH, S; Z = O, S, NR₁₅; R₁₅ = H, alkyl; n = 0-4; p = 0-6; and q = 0-2], which have excellent insecticidal/acaricidal activity, are disclosed. For instance, etherification of 3,5-dichloro-4-(4-bromobutoxy)-1-(3,3-dichloro-2-propenyloxy)benzene (preparation given) with 4-(1-piperidinylcarbonyl)phenol using K₂CO₃ in DMF at room temperature gave title compound II. At 500 ppm in the diet of larval *Spodoptera litura* or *Plutella xylostella*, II gave 80% mortality in 4-6 days. I also gave ≥ 60% mortality of *Tetranychus urticae* upon spray application at 500 ppm.

IT 194224-91-4P 194224-92-5P 194224-93-6P
194224-94-7P 194224-95-8P 194224-96-9P
194224-97-0P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of dihalopropene compds. as insecticides and acaricides)

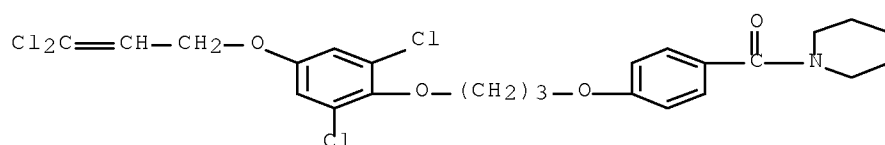
RN 194224-91-4 CAPLUS

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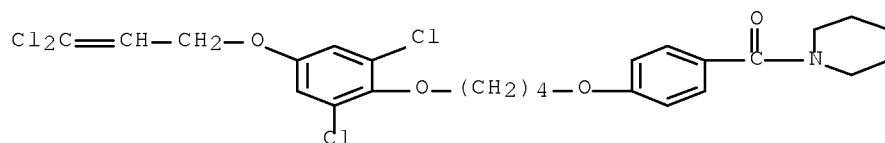
RN 194224-92-5 CAPLUS

CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-1-piperidinyl- (CA INDEX NAME)



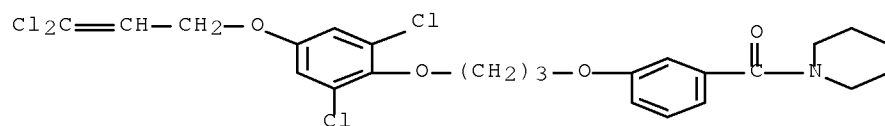
RN 194224-93-6 CAPLUS

CN Methanone, [4-[4-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]butoxy]phenyl]-1-piperidinyl- (CA INDEX NAME)



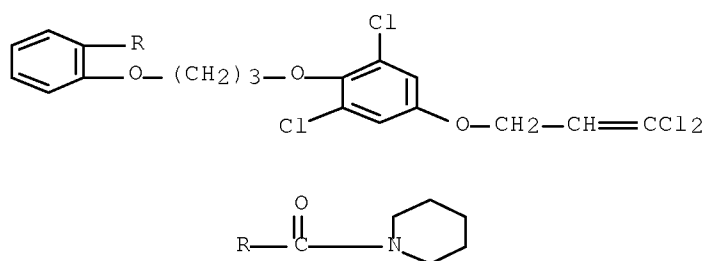
RN 194224-94-7 CAPLUS

CN Methanone, [3-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-1-piperidinyl- (CA INDEX NAME)



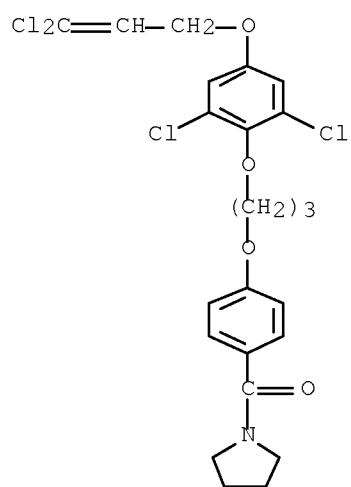
RN 194224-95-8 CAPLUS

CN Methanone, [2-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-1-piperidinyl- (CA INDEX NAME)



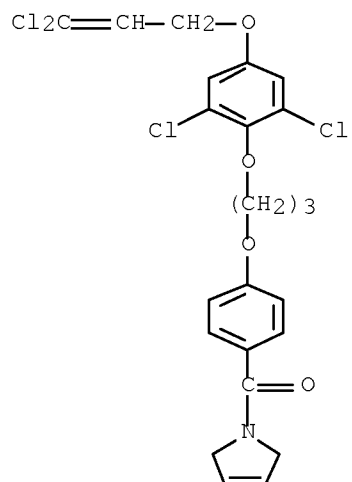
RN 194224-96-9 CAPLUS

CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl]-1-pyrrolidinyl- (CA INDEX NAME)



RN 194224-97-0 CAPLUS

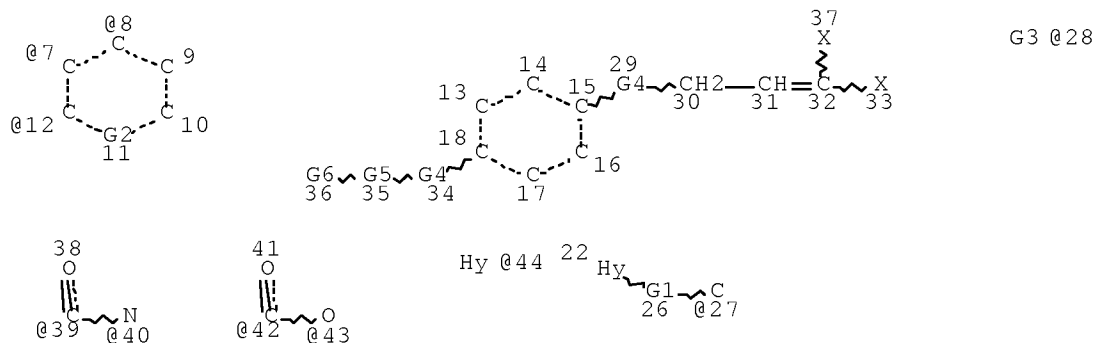
CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]phenyl] (2,5-dihydro-1H-pyrrol-1-yl)- (CA INDEX NAME)



FILE 'HOME' ENTERED AT 12:06:58 ON 29 AUG 2008

SEARCH HISTORY

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VAR G3=44/27
VAR G4=O/S/N
REP G5=(1-6) C
VAR G6=39/40/42/43/O/N/S
VPA 28-7/8/12 U
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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 32

STEREO ATTRIBUTES: NONE
L9 167 SEA FILE=REGISTRY SSS FUL L5

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167 ANSWERS

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D SCAN
SEL RN

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 SAVE TEMP L9 JAI005FULL/A
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 L14 27 SEA ABB=ON ZAMBACH W?/AU
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 D IBIB ABS HITSTR L16 1-6

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D STAT QUE L9
 D QUE NOS L19

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